

QED BIOSCIENCE INC.
2003 Catalog Supplement

ANTIBODY PRODUCTS

CUSTOM SERVICES

INFECTIOUS DISEASE RESEARCH KITS

Opening Doors To Discovery®

To Our Valued Customers:

We are pleased to present the new QED Bioscience Catalog Supplement for 2003. Inside you will find many new antibodies and associated products for studies in Cancer Research, Apoptosis, Neuroscience/Signal Transduction, and Growth Factors, to name a few. In addition, we are introducing several new antibody categories (Cytokines, Cell Adhesion Molecules, Matrix Proteins and Matrix Metalloproteinases) along with an entirely new group of Infectious Disease Research Kits and more Custom Services. This Supplement is a companion to our 2002 Catalog. We will be happy to send you our 2002 Catalog if you do not already have one, or you can see our complete list of antibody products and services at our website, www.QEDBIO.com. Along with this new Catalog Supplement comes our promise that we will never forget that you are the reason for our continued success. Many thanks to our loyal customers for allowing us to serve you in the past and welcome to all of our new customers. We look forward to working with you!

Eileen Skaletsky, Ph.D.

President

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11021 VIA FRONTERA #203
SAN DIEGO, CA 92127

Toll-Free: 800.929.2114

In CA: 858.675.2405

Fax: 858.592.1509

E-mail: Info@QEDBIO.com

Web: WWW.QEDBIO.com

NOTE TO OUR CUSTOMERS:

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ORDER INFORMATION

Condition Of Sales

Products are for in vitro investigational use only and are not sold for use in therapeutic or diagnostic procedures.

Telephone Orders and Inquiries

We accept telephone orders and inquiries between 8:00 am and 5:00 pm Pacific Standard Time, Monday through Friday.

If you are calling from within the United States, Canada, or Mexico, call toll free: **800.929.2114**. Or call our Customer Service Department: **858.675.2405**.

The following information is required to process your order:

1. Billing and shipping addresses
2. Purchase order or credit card number
3. Catalog number and name of product
4. Unit size and quantity

We accept VISA, MasterCard, and American Express from approved accounts.

On-Line Ordering

We accept orders at our web site at: www.qedbio.com

We will confirm receipt of your order via e-mail. If you have questions about an order, please send them to us at info@qedbio.com.

Mail Orders

Please send mail orders to:

QED Bioscience Inc.
Attn: Order Dept.
11021 Via Frontera, Suite 203
San Diego, California 92127

Products listed in this catalog are normally in stock. Data sheets are available on request and accompany each product.

Payment Terms

Net 30 days. A 1.5% finance charge will be added to past due invoices.

Prices

All prices are quoted in U.S. dollars and are subject to change without notice. Price quotations are available for quantities greater than standard unit sizes, bulk orders, and standing orders. Please call for specific information.

Shipping

QED ships all products by overnight delivery to addresses within the U.S. Overseas orders will be shipped as rapidly as possible. Shipping charges will be prepaid and added to your invoice or billed to your account with the carrier of your choice. There is an additional charge for packaging. Most products are sent with blue ice, but a few products require shipping with dry ice. All shipments requiring dry ice are subject to an additional \$17.50 handling charge. It is the customer's responsibility to notify QED of all necessary documents, permits, and the like required for customs clearance or other purposes.

Limited Warranty

QED warrants to the original purchaser only that the products listed in the catalog are of the composition and purity described therein. Because of the nature of biological products, returns cannot be accepted without our authorization. QED shall, at its election, replace the product or refund the purchase price of material which does not conform to product specifications. As a condition of this warranty, without exception, all irregularities must be reported to QED no later than two weeks after shipment.

In no event shall QED be liable for any indirect, special or consequential damages resulting from use of the products. QED makes no expressed or implied warranties of merchantability or fitness of the products for particular research uses or other purposes.

QED BIOSCIENCE

CANCER RESEARCH ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
56251	APE1/REF-1	Full-length human APE1.	Rabbit	H, M	WB	210/100 ug
56246	BACH1	aa 1233-1249 of human BACH1.	Rabbit	H	WB	231/100 ug
56221	Chk2 (NT)	aa 2-18 of human Chk2.	Rabbit	H, M, R	WB	231/100 ug
56221BP	Chk2 (NT) Blocking Peptide	aa SRESVDVEAQQSHGSSAC			Competition studies	65/ 50 ug
1205	Jurkat Cell Lysate				Chk2 (NT) +control	75/100 ug
34005	ESE-1	NT and CT of human ESE-1.	Rabbit	H	WB, ELISA	231/100 ug
56236	KLK3	aa 247-261 of human KLK3.	Rabbit	H	WB	231/100 ug
56237	KLK4	aa 242-254 of human KLK4.	Rabbit	H	WB	231/100 ug
56238	KLK5	aa 280-293 of human KLK5.	Rabbit	H	WB	231/100 ug
56239	KLK9	aa 239-250 of human KLK9.	Rabbit	H	WB	231/100 ug
56240	KLK12	aa 236-248 of human KLK12.	Rabbit	H	WB	231/100 ug
56241	KLK13	aa 262-277 of human KLK13.	Rabbit	H	WB	231/100 ug
56242	KLK14	aa 239-251 of human KLK14.	Rabbit	H	WB	231/100 ug
56243	KLK15	aa 75-87 of human KLK15.	Rabbit	H	WB	231/100 ug
56244	KLK15	aa 177-188 of human KLK15.	Rabbit	H	WB	231/100 ug
56252	Ku70	CT of human Ku70.	Rabbit	H	WB	210/100 ug
56228	MCT-1	aa 3-14 of human MCT-1.	Rabbit	H	WB	231/100 ug
56222	MTBP	aa 122-139 of human MTBP.	Rabbit	H	WB	231/100 ug
56222BP	MTBP Blocking Peptide	aa GAVECFEEEDSNSRESLS			Competition studies	65/ 50 ug
1204	K562 Cell Lysate				MTBP+control	75/100 ug
56232	MUC12	aa 10-24 of human MUC12.	Rabbit	H	WB	231/100 ug
56233	MUC12	aa 541-555 of human MUC12.	Rabbit	H	WB	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IHC, immunohistochemistry.

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CANCER RESEARCH ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
56230	NKIAMRE	aa 14-29 of human NKIAMRE.	Rabbit	H	WB	231/100 ug
56231	NKIAMRE	aa 414--428 of human NKIAMRE.	Rabbit	H	WB	231/100 ug
56223	p53DINP1	aa 1-14 of human p53DINP1.	Rabbit	H, M, R	WB	231/100 ug
56223BP	p53DINP1 Blocking Peptide	aa MFQRLNKMFVGEVS			Competition studies	65/ 50 ug
1302	Human Lung Tissue Lysate				p53DINP1 +control	90/100 ug
56224	p53R2 (NT)	aa 2-17 of human p53R2.	Rabbit	H, M, R	WB	231/100 ug
56224BP	p53R2 (NT) Blocking Peptide	aa GPPERPEAAGLDQDER			Competition studies	65/ 50 ug
1202	A431 Cell Lysate				p53R2 (NT) +control	75/100 ug
56248	p84	aa 15-374 of human p84.	Mouse	H, M	WB, IP, IFA	260/100 ug
56249	p95/Nibrin	Full-length p95/nibrin.	Mouse	H	WB, IP	260/100 ug
56225	PERP	aa 175-193 of human PERP.	Rabbit	H	WB	231/100 ug
56225BP	PERP Blocking Peptide	aa EDDLGNAPRYFYTSA			Competition studies	65/ 50 ug
1202	A431 Cell Lysate				PERP +control	75/100 ug
56227	PID/MTA2	aa 652-668 of human PID/MTA2.	Rabbit	H, M, R	WB	231/100 ug
56227BP	PID/MTA2 Blocking Peptide	aa PAPSHPASTNEPIVLED			Competition studies	65/ 50 ug
1201	HeLa Cell Lysate				PID/MTA2 +control	75/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IP, immunoprecipitation; IFA; immunofluorescence assay.

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CANCER RESEARCH ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
56245	PRAC	Human PRAC.	Rabbit	H	WB	231/100 ug
34006	Prostein	NT and CT of human prostein.	Rabbit	H	WB, ELISA	231/100 ug
34007	PSDR1	NT and CT of human PSDR1.	Rabbit	H	WB, ELISA	231/100 ug
56229	RAD17	aa 2-15 of human RAD17.	Rabbit	H	WB	231/100 ug
56253	Replication Factor C (p37)	p37 subunit of human Replication Factor C.	Mouse	H	WB	260/100 ug
56250	TSG-101	aa 167-374 of TSG101.	Mouse	H, M	WB, IP	260/100 ug
56247	XAB2	aa 840-855 of human XAB2.	Rabbit	H	WB	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IP, immunoprecipitation.

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APOPTOSIS ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
11000	ARTS	aa 3-14 of human ARTS.	Rabbit	H	WB	231/100 ug
11000BP	ARTS Blocking Peptide	aa KRFLDITDDGE			Competition studies	65/ 50 ug
1302	Human Lung Tissue Lysate				ARTS +control	90/100 ug
11015	Bax	aa 3-16 of human Bax.	Mouse	H	WB, IHC	210/100 ug
11016	Bax	aa 12-24 of human Bax.	Mouse	H, M, R	WB	210/100 ug
11017	Bcl-xL	aa 3-14 of human Bcl-xL	Mouse	H, M	WB, IHC	210/100 ug
11001	Bmf (CT)	aa 171-184 of human Bmf.	Rabbit	H	WB	231/100 ug
11001BP	Bmf (CT) Blocking Peptide	aa ALNGEENRNGAGPR			Competition studies	65/ 50 ug
1211	HepG2 Cell Lysate				Bmf (CT) +control	75/100 ug
11002	Bmf (NT)	aa 2-14 of human Bmf.	Rabbit	H, M	WB	231/100 ug
11002BP	Bmf (NT) Blocking Peptide	aa EPSQCVEELEDV			Competition studies	65/ 50 ug
1211	HepG2 Cell Lysate				Bmf (NT) +control	75/100 ug
11003	CARD9	aa 521-536 of human CARD9.	Rabbit	H	WB	231/100 ug
11003BP	CARD9 Blocking Peptide	aa DRENTTGSDNTDTEGS			Competition studies	65/ 50 ug
1216	PC-3 Cell Lysate				CARD9 +control	75/100 ug
11013	Caspase 4	aa 1-89 of human caspase 4.	Chicken	H	WB, IHC	175/mg
11014	Caspase 8	aa 266-436 of human caspase 8.	Chicken	H	WB, IHC	175/mg
11004	EndoG	aa 55-70 of human EndoG.	Rabbit	H, M, R	WB	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IHC, immunohistochemistry.

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APOPTOSIS ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
11004BP	EndoG Blocking Peptide	aa GGPRGPGELAKYGLP			Competition studies	65/ 50 ug
1211	HepG2 Cell Lysate				EndoG +control	75/100 ug
11010	GRIM-19	Human GRIM-19.	Rabbit	H	WB	231/100 ug
11005	ILP-2	aa 2-13 of human ILP-2.	Rabbit	H, M, R	WB	231/100 ug
11005BP	ILP-2 Blocking Peptide	aa TGYEARLITFGT			Competition studies	65/ 50 ug
1211	HepG2 Cell Lysate				ILP-2 +control	75/100 ug
11006	Livin	aa 264-280 (short form) and 271-298 (long form) of human livin.	Rabbit	H	WB	231/100 ug
11006BP	Livin Blocking Peptide	aa CRAPVRSRVRTFLS			Competition studies	65/ 50 ug
1207	Raji Cell Lysate				Livin +control	75/100 ug
11009	MAP-1	aa 337-351 of human MAP-1.	Rabbit	H	WB	231/100 ug
11007	PUMA (CT)	aa 180-193 of human PUMA.	Rabbit	H, M	WB	231/100 ug
11007BP	PUMA (CT) Blocking Peptide	aa PLPRGHRAPEMEPN			Competition studies	65/ 50 ug
1204	K562 Cell Lysate				PUMA (CT) +control	75/100 ug
1212	3T3 Cell Lysate				PUMA (CT) +control	75/100 ug
11008	PUMA (NT)	aa 2-16 of human PUMA.	Rabbit	H	WB	231/100 ug
11008BP	PUMA (NT) Blocking Peptide	aa ARARQEGSSPEPVEG			Competition studies	65/ 50 ug
1204	K562 Cell Lysate				PUMA (NT) +control	75/100 ug
11012	Ubiquitin	Full-length human ubiquitin.	Chicken	H	WB, IHC	250/mg

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IHC, immunohistochemistry.

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NEUROSCIENCE / SIGNAL TRANSDUCTION ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
56318	Calpastatin	Domain 1 of human calpastatin.	Chicken	H	WB, IHC	275/ mg
56112	CIKS/Act1 (CT)	aa 554-568 of human CIKS.	Rabbit	H	WB	231/100 ug
56112BP	CIKS/Act1 (CT) Blocking Peptide	aa REEEYVAPPRGPLPT			Competition studies	65/ 50 ug
1309	Human Placenta Tissue Lysate				CIKS/Act1 (CT) +control	90/100 ug
56113	CIKS/Act1 (NT)	aa 2-15 of human CIKS.	Rabbit	H	WB	231/100 ug
56113BP	CIKS/Act1 (NT) Blocking Peptide	aa PPQLQETRMNRSIP			Competition studies	65/ 50 ug
1309	Human Placenta Tissue Lysate				CIKS/Act1 (NT) +control	90/100 ug
56316	DENTT	Human DENTT.	Rabbit	H	WB	231/100 ug
56310	GABA _B R1	aa 33-54 of human GABA receptor associated protein subunit 1.	Rabbit	H	WB	231/100 ug
56311	GABA _B R2	aa 42-54 of human GABA receptor associated protein subunit 2.	Rabbit	H	WB	231/100 ug
56300	GABARAP	N-terminus of human GABA receptor associated protein.	Rabbit	H	WB, ELISA	231/100 ug
56302	HAP40	aa 314-325 of mouse HAP40.	Rabbit	M	WB, ELISA	231/100 ug
56317	MAP2K1	aa 1-28 of human MAP2K1.	Chicken	H	WB, IHC	145/ mg
56314	Myosin Light Chain Phosphatase Subunit	Human myosin light chain phosphatase subunit.	Rabbit	H	WB	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; WB, Western blot; IHC, immunohistochemistry.

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NEUROSCIENCE / SIGNAL TRANSDUCTION ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
56114	NAK/TBK1 (CT)	aa 712-727 of human NAK/TBK1.	Rabbit	H, M	WB	231/100 ug
56114BP	NAK/TBK1 (CT) Blocking Peptide	aa ERFGSLTMDGGLRNVD			Competition studies	65/ 50 ug
56116	Neuronal Nitric Oxide Synthase	aa 19-31 of human neuronal nitric oxide synthase.	Rabbit	H	WB	231/100 ug
56110	NPFF1	N-terminus of human NPFF1.	Rabbit	H	WB, ELISA	231/100 ug
56111	NPFF2	N-terminus of human NPFF2.	Rabbit	H	WB, ELISA	231/100 ug
60100	NR3A/B	Human NR3A and B subunits.	Mouse	H	WB, IHC	250/100 ug
60110	PPAR gamma	aa 1-110 of human peroxisome proliferative activated receptor gamma.	Chicken	H	WB, IHC	185/ mg
56115	Protein Kinase D2	Human protein kinase D2.	Rabbit	H	WB	231/100 ug
56312	SERPINB10	aa 316-330 of human SERPINB10.	Rabbit	H	WB	231/100 ug
56313	SERPINB13	aa 310-324 of human SERPINB13.	Rabbit	H	WB	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; WB, Western blot; IHC, immunohistochemistry.

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ANTIBODIES TO GROWTH FACTORS/CYTOKINES/RECEPTORS

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
41010	ALIEN	Human ALIEN.	Rabbit	H, Drosophila	WB	231/100 ug
41000	APRIL (ED)	aa 67-79 of human APRIL.	Rabbit	H	WB	231/100 ug
41000BP	APRIL (ED) Blocking Peptide	aa GTGGPSQNGEGYP			Competition studies	65/ 50 ug
1209	HL60 Cell Lysate				APRIL (ED) +control	75/100 ug
41001	APRIL (ED2)	aa 196-210 of human APRIL.	Rabbit	H, M	WB	231/100 ug
41001BP	APRIL (ED2) Blocking Peptide	aa CIRSMPSHPDRAVNS			Competition studies	65/ 50 ug
1209	HL60 Cell Lysate				APRIL (ED2) +control	75/100 ug
41013	CRTH2	Human CRTH2.	Rabbit	H	WB	231/100 ug
41003	IL-10	aa 19-178 of human IL-10.	Chicken	H	WB, IHC	175/100 mg
41004	IL-11	Full-length human IL-11.	Chicken	H	WB, IHC	175/100 mg
41005	IL-12b	aa 161-233 of human IL-12b.	Chicken	H	WB, IHC	275/100 mg
41007	IL-17	aa 20-155 of human IL-17.	Chicken	H	WB, IHC	275/100 mg
41008	IL-21 (IN)	aa 121-135 of human IL-21 precursor.	Rabbit	H	WB	231/100 ug
41008BP	IL-21 (IN) Blocking Peptide	aa TCPSCDSYEKKPPKE			Competition studies	65/ 50 ug
1209	HL60 Cell Lysate				IL-21R (IN) +control	75/100 ug
40104	IL-21R (ED)	aa 97-111 of human IL-21R precursor.	Rabbit	H, M, R	WB	231/100 ug
40104BP	IL-21R (ED) Blocking Peptide	aa NITDQSGNYSQECGS			Competition studies	65/ 50 ug
1207	Raji Cell Lysate				IL-21R (ED) +control	75/100 ug
40105	IL-21R (NT)	aa 20-32 of human IL-21R precursor.	Rabbit	H, M, R	WB	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; ED, extracellular domain; IN, intermediate domain; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IHC, immunohistochemistry.

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ANTIBODIES TO GROWTH FACTORS/CYTOKINES/RECEPTORS

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
40105BP	IL-21R (NT) Blocking Peptide	aa CPDLVCYTDYLQT			Competition studies	65./ 50 ug
1207	Raji Cell Lysate				IL-21R (NT) +control	75/100 ug
40106	IL-22R (CT)	aa 560-574 of human IL-22R precursor.	Rabbit	H, R	WB	231/100 ug
40106BP	IL-22R (CT) Blocking Peptide	aa DSLFRGLALTVQWES			Competition studies	65/ 50 ug
1211	HepG2 Cell Lysate				IL-22R (CT) +control	75/100 ug
40107	IL-22R (NT)	aa 31-46 of human IL-22R precursor.	Rabbit	H, R	WB	231/100 ug
40107BP	IL-22R (NT) Blocking Peptide	aa QSSNFENILTWDSGPE			Competition studies	65/ 50 ug
1211	HepG2 Cell Lysate				IL-22R (NT) +control	75/100 ug
41011	p8 (CT)	C-terminus of human p8.	Rabbit	H	WB	231/100 ug
41012	p8 (NT)	N-terminus of human p8.	Rabbit	H	WB	231/100 ug
40201	TCCR (CT)	aa 611-625 of human TCCR precursor.	Rabbit	H	WB	231/100 ug
40201BP	TCCR (CT) Blocking Peptide	aa SGYEKHFLLPTPEELG			Competition studies	65/ 50 ug
1306	Human Spleen Tissue Lysate				TCCR (CT) +control	90/100 ug
40202	TCCR (NT)	aa 44-59 of human TCCR precursor.	Rabbit	H	WB	231/100 ug
40202BP	TCCR (NT) Blocking Peptide	aa GSAGPLQCYGVGPLGD			Competition studies	65/ 50 ug
1306	Human Spleen Tissue Lysate				TCCR (NT) +control	90/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; ED extracellular domain; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IHC, immunohistochemistry.

QED BIOSCIENCE ANTIBODIES TO CELL ADHESION MOLECULES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
42001	E-selectin	Human E-selectin (CD62E).	Mouse	H	FLOW, IHC, ELISA	130/100 ug
42002	L-selectin	Human L-selectin (CD62L).	Mouse	H	FLOW	130/100 ug
42003	P-selectin	Human P-selectin (CD62P).	Mouse	H	FLOW, IHC	130/100 ug
42004	ICAM-1	Human ICAM-1(CD54).	Mouse	H	FLOW	130/100 ug
42005	VCAM-1	Human VCAM-1 (CD106).	Mouse	H	FLOW, IHC, ELISA	130/100 ug
42006	PECAM-1	Human PECAM-1 (CD31).	Mouse	H	FLOW	130/100 ug
42007	NCAM	Human NCAM (CD56).	Mouse	H	IHC, IP	130/100 ug
42008	HCAM	Human HCAM (CD44).	Mouse	H	FLOW, IHC, IP	130/100 ug
42009	LFA-2	Human LFA-2 (CD2).	Mouse	H	FLOW, IHC, IP	130/100 ug
42010	LFA-3	Human LFA-3 (CD58)..	Mouse	H	FLOW	130/100 ug
42011	Integrin α 2 chain	Human integrin α 2 chain (CD49b).	Mouse	H	FLOW, IP	130/100 ug
42012	Integrin α 3 chain	Human integrin α 3 chain (CD49c).	Mouse	H	FLOW, IP	130/100 ug
42013	Integrin α 4 chain	Human integrin α 4 chain (CD49d).	Mouse	H	FLOW, IP	130/100 ug
42014	Integrin α 5 chain	Human integrin α 5 chain (CD49e).	Mouse	H	FLOW, IP	130/100 ug
42015	Integrin α 6 chain	Human integrin α 6 chain (CD49f).	Mouse	H	FLOW, IP	130/100 ug
42016	Integrin α L chain	Human integrin α Lchain (CD11a).	Mouse	H	FLOW	130/100 ug
42017	Integrin α M chain	Human integrin α M chain (CD11b)	Mouse	H	FLOW, IHC	130/100 ug
42018	Integrin α V chain	Human integrin α V chain (CD51).	Mouse	H	FLOW, AP	130/100 ug
42019	Integrin α X chain	Human integrin α X chain (CD11c).	Mouse	H	FLOW, IHC	130/100 ug
42020	Integrin α IIb chain	Human Integrin α IIb chain (CD41a).	Mouse	H	FLOW	130/100 ug
42021	Integrin β 1 chain	Human integrin β 1 chain (CD29).	Mouse	H	FLOW, IP	130/100 ug
42022	Integrin β 2 chain	Human integrin β 2 chain (CD18).	Mouse	H	FLOW, IHC	130/100 ug
42023	Integrin β 4 chain	Human Integrin β 4 chain (CD104).	Rat	H	FLOW, IHC	130/100 ug

Abbreviations: H, human; AP, affinity purification; FLOW, flow cytometry; IHC, immunohistochemistry; IP, immunoprecipitation.

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
29021	Fibrillin	Bovine ocular fibrillin.	Mouse	H, B	WB, IHC, IFA	280/200 ug
29001	Fibronectin	Full-length human fibronectin.	Chicken	H	WB, IHC	115/mg
29010	MMP 1	Hinge region of human MMP 1.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29011	MMP 2	Hinge region of human MMP 2.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29012	MMP 3	Hinge region of human MMP 3.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29014	MMP 7	N-terminus of human MMP 7.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29015	MMP 8	Hinge region of human MMP 8.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29019	MMP 9	aa 31-44 of human MMP 9.	Rabbit	H	WB	231/100 ug
29020	MMP 9	aa 540-552 of human MMP 9	Rabbit	H	WB	231/100 ug
29013	MMP 11	aa 359-445 of human human MMP 11.	Chicken	H	WB, IHC	200/mg
29016	MMP 12	Hinge region of human MMP 12.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29017	MMP 13	Hinge region of human MMP 13.	Rabbit	H	WB	300/150 ug
29020	MMP 14	Hinge region of human MMP 14.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29018	MMP 16b	aa 407-458 of human MMP 16b.	Chicken	H	WB, IHC	275/mg
29022	TIMP 1	C-terminus of human TIMP 1.	Rabbit	H	WB, IHC, ELISA	300/150 ug
29023	TIMP 2	Loop 3 of human TIMP 2.	Rabbit	H	WB	300/150 ug
29024	TIMP 3	Loop 1 of human TIMP 3.	Rabbit	H	WB	300/150 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; B, bovine; M, mouse; WB, Western blot; IHC, immunohistochemistry IFA, immunofluorescence assay.

QED BIOSCIENCE

ANTIBODIES TO HORMONES / SERUM PROTEINS

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
19010	α -2 macroglobulin	Full-length human α -2 macroglobulin	Chicken	H	WB, IHC	100/mg
26200	C-Reactive Protein	Full-length human C-reactive protein.	Chicken	H	WB, IHC	100/mg
19301-19304	GnRH (4 clones)	Human gonadotropin releasing hormone.	Mouse	H	ELISA, RIA	258.50/ml 258.50/mg
26106	Leptin	Full-length human leptin.	Chicken	H	WB, IHC	185/mg
20804	mRELM α	aa 31-44 of mouse resistin-like molecule alpha.	Rabbit	M	WB	231/100 ug
20805	mRELM β	aa 32-46 of mouse resistin-like molecule beta.	Rabbit	M	WB	231/100 ug
26104	Resistin	aa 94-102 of human resistin.	Rabbit	H	WB, ELISA	231/100 ug
26105	Resistin	aa 79-90 of human resistin.	Rabbit	H	WB, ELISA	231/100 ug

Abbreviations: CT, C-terminus; NT, N-terminus; aa, amino acids; H, human; M, mouse; WB, Western blot; IHC, immunohistochemistry; RIA, radioimmunoassay.

NOTE TO OUR CUSTOMERS:

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INFECTIOUS DISEASE ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
18713	Beta-Defensin-3	Human beta-defensin-3.	Rabbit	H	WB	231/100 ug
18710	DC-SIGN (CT)	aa 384-404 of human DC-SIGN.	Rabbit	H	WB	231/100 ug
18710BP	DC-SIGN (CT) Blocking Peptide	aa CSRDEEQFLSPAPATPN			Competition studies	65/ 50 ug
1309	Human Placenta Tissue Lysate				DC-SIGN (CT) +control	90/100 ug
18711	DC-SIGN (ED)	aa 277-293 of human DC-SIGN.	Rabbit	H	WB	231/100 ug
18711BP	DC-SIGN (ED) Blocking Peptide	aa CYFMSNSQRNWHDSITA			Competition studies	65/ 50 ug
1309	Human Placenta Tissue Lysate				DC-SIGN (ED) +control	90/100 ug
15410	E. coli O157:H7	E. coli O157:H7 HA1 strain.	Mouse	N/A	ELISA, WB	258.50/mg
20510	HIV-1 tat	Full-length HIV-1 tat protein.	Chicken	N/A	WB, IHC	235/mg

ADDITIONAL ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Species Reactivity	Application	Price (\$)
18803	GST	Recombinant GST (aa 1-425) of <i>Schistosoma japonicum</i> .	Mouse	H, M	WB, IP, IFA	135/100 ug
57001	Phosphotyrosine	Phosphotyrosine	Mouse	H, M, R	WB, ELISA, IFA, AP	120 /100 ug
18802	Thaumatococcus	Full-length thaumatococcosin of <i>Thaumatococcus daniellii</i> .	Chicken	N/A	WB, IHC	220/mg

Abbreviations: CT, C-terminus; ED, extracellular domain; aa, amino acids; H, human; M, mouse; R, rat; WB, Western blot; IHC, immunohistochemistry; IP, immunoprecipitation; IFA, immunofluorescence assay; AP, affinity purification.

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SECONDARY ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Label	Species Reactivity	Price (\$)
80000	Anti-Mouse IgG	Mouse IgG heavy & light chains	Goat	Unconjugated	Mouse	82.50/2 mg
80100	Anti-Mouse IgG	Mouse IgG heavy & light chains	Goat	Peroxidase	Mouse	104.50/2 ml
80200	Anti-Mouse IgG	Mouse IgG heavy & light chains	Goat	Alkaline phosphatase	Mouse	115.50/1 ml
80300	Anti-Mouse IgG	Mouse IgG heavy & light chains	Goat	FITC	Mouse	99.00/2 mg
80400	Anti-Mouse IgG	Mouse IgG heavy & light chains	Goat	Biotin	Mouse	104.50/2 ml
81000	Anti-Rabbit IgG	Rabbit IgG heavy & light chains	Goat	Unconjugated	Rabbit	82.50/2 mg
81100	Anti-Rabbit IgG	Rabbit IgG heavy & light chains	Goat	Peroxidase	Rabbit	104.50/2 ml
81200	Anti-Rabbit IgG	Rabbit IgG heavy & light chains	Goat	Alkaline phosphatase	Rabbit	115.50/1 ml
81300	Anti-Rabbit IgG	Rabbit IgG heavy & light chains	Goat	FITC	Rabbit	99.00/2 mg
81400	Anti-Rabbit IgG	Rabbit IgG heavy & light chains	Goat	Biotin	Rabbit	104.50/2 ml
82000	Anti-Goat IgG	Goat IgG heavy & light chains	Rabbit	Unconjugated	Goat	88.00/2 mg
82100	Anti-Goat IgG	Goat IgG heavy & light chains	Rabbit	Peroxidase	Goat	115.50/1.5 ml
82200	Anti-Goat IgG	Goat IgG heavy & light chains	Rabbit	Alkaline phosphatase	Goat	110.00/1 ml
82300	Anti-Goat IgG	Goat IgG heavy & light chains	Rabbit	FITC	Goat	99.00/1.5 mg
82400	Anti-Goat IgG	Goat IgG heavy & light chains	Rabbit	Biotin	Goat	115.50/1.5 ml

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SECONDARY ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Label	Species Reactivity	Price (\$)
83000	Anti-Mouse IgG Fc	Mouse IgG Fc fragment	Goat	Unconjugated	Mouse	88.00/2 mg
83100	Anti-Mouse IgG Fc	Mouse IgG Fc fragment	Goat	Peroxidase	Mouse	137.50/2 ml
83200	Anti-Mouse IgG Fc	Mouse IgG Fc fragment	Goat	Alkaline phosphatase	Mouse	132.00/1 ml
83300	Anti-Mouse IgG Fc	Mouse IgG Fc fragment	Goat	FITC	Mouse	110.00/2 mg
83400	Anti-Mouse IgG Fc	Mouse IgG Fc fragment	Goat	Biotin	Mouse	115.50/2 ml
84000	Anti-Rabbit IgG Fc	Rabbit IgG Fc fragment	Goat	Unconjugated	Rabbit	88.00/2 mg
84100	Anti-Rabbit IgG Fc	Rabbit IgG Fc fragment	Goat	Peroxidase	Rabbit	115.50/2 ml
84200	Anti-Rabbit IgG Fc	Rabbit IgG Fc fragment	Goat	Alkaline phosphatase	Rabbit	132.00/1 ml
84300	Anti-Rabbit IgG Fc	Rabbit IgG Fc fragment	Goat	FITC	Rabbit	110.00/2 mg
84400	Anti-Rabbit IgG Fc	Rabbit IgG Fc fragment	Goat	Biotin	Rabbit	115.50/2 ml
85000	Anti-Goat IgG Fc	Goat IgG Fc fragment	Rabbit	Unconjugated	Goat	99.00/2 mg
85100	Anti-Goat IgG Fc	Goat IgG Fc fragment	Rabbit	Peroxidase	Goat	143.00/1.5 ml
85200	Anti-Goat IgG Fc	Goat IgG Fc fragment	Rabbit	Alkaline phosphatase	Goat	143.00/1 ml
85300	Anti-Goat IgG Fc	Goat IgG Fc fragment	Rabbit	FITC	Goat	104.50/1.5 mg
85400	Anti-Goat IgG Fc	Goat IgG Fc fragment	Rabbit	Biotin	Goat	143.00/1.5 ml
86000	Anti-Chicken IgY	Chicken IgY heavy & light chains	Rabbit	Unconjugated	Chicken	82.50/2 mg
86100	Anti-Chicken IgY	Chicken IgY heavy & light chains	Rabbit	Peroxidase	Chicken	104.50/1.5 ml
86200	Anti-Chicken IgY	Chicken IgY heavy & light chains	Rabbit	Alkaline phosphatase	Chicken	115.50/1 ml
86300	Anti-Chicken IgY	Chicken IgY heavy & light chains	Rabbit	FITC	Chicken	82.50/1.5 mg
86400	Anti-Chicken IgY	Chicken IgY heavy & light chains	Rabbit	Biotin	Chicken	104.50/1.5 ml

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SECONDARY ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Label	Species Reactivity	Price (\$)
87000	Anti-Human IgG	Human IgG heavy & light chains	Goat	Unconjugated	Human	61.00/2 mg
87100	Anti-Human IgG	Human IgG heavy & light chains	Goat	Peroxidase	Human	85.00/2 ml
87200	Anti-Human IgG	Human IgG heavy & light chains	Goat	Alkaline phosphatase	Human	109.00/1 ml
87305	Anti-Human IgG	Human IgG heavy & light chains	Goat	FITC	Human	69.00/2 mg
87405	Anti-Human IgG	Human IgG heavy & light chains	Goat	Biotin	Human	85.00/2 ml
87010	Anti-Human IgA	Human IgA heavy & light chains	Goat	Unconjugated	Human	76.00/2 mg
87110	Anti-Human IgA	Human IgA heavy & light chains	Goat	Peroxidase	Human	109.00/2 ml
87210	Anti-Human IgA	Human IgA heavy & light chains	Goat	Alkaline phosphatase	Human	121.00/1 ml
87310	Anti-Human IgA	Human IgA heavy & light chains	Goat	FITC	Human	89.00/2 mg
87410	Anti-Human IgA	Human IgA heavy & light chains	Goat	Biotin	Human	109.00/2 ml
87020	Anti-Human IgM	Human IgM Fc fragment	Goat	Unconjugated	Human	80.00/2 mg
87120	Anti-Human IgM	Human IgM Fc fragment	Goat	Peroxidase	Human	113.00/2 ml
87220	Anti-Human IgM	Human IgM Fc fragment	Goat	Alkaline phosphatase	Human	121.00/1 ml
87320	Anti-Human IgM	Human IgM Fc fragment	Goat	FITC	Human	89.00/2 mg
87420	Anti-Human IgM	Human IgM Fc fragment	Goat	Biotin	Human	113.00/2 ml

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SECONDARY ANTIBODIES

Cat. No.	Product Name	Antigen	Host	Label	Species Reactivity	Price (\$)
87030	Anti-Human IgG/A/M	Human IgG / IgA / IgM	Goat	Unconjugated	Human	75.00/2 mg
87130	Anti-Human IgG/A/M	Human IgG / IgA / IgM	Goat	Peroxidase	Human	113.00/2 ml
87230	Anti-Human IgG/A/M	Human IgG / IgA / IgM	Goat	Alkaline phosphatase	Human	121.00/1 ml
87330	Anti-Human IgG/A/M	Human IgG / IgA / IgM	Goat	FITC	Human	89.00/2 mg
87430	Anti-Human IgG/A/M	Human IgG / IgA / IgM	Goat	Biotin	Human	113.00/2 mg
87090	Anti-Human IgE	Human IgE heavy & light chains	Goat	Unconjugated	Human	133.10/1 mg
87190	Anti-Human IgE	Human IgE heavy & light chains	Goat	Peroxidase	Human	138.60/1 mg
87290	Anti-Human IgE	Human IgE heavy & light chains	Goat	Alkaline phosphatase	Human	170.50/1 mg
87390	Anti-Human IgE	Human IgE heavy & light chains	Goat	FITC	Human	90.20/0.5 mg
87490	Anti-Human IgE	Human IgE heavy & light chains	Goat	Biotin	Human	108.90/0.5 mg

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QED BIOSCIENCE INFECTIOUS DISEASE RESEARCH KITS

In our continuing efforts to provide valuable research products to our customers, QED Bioscience formed alliances with two companies – MIKROGEN GmbH and Virion\Serion GmbH – in order to enhance our line of products for infectious disease research. The products of these two outstanding companies complement each other well and make it possible for us to offer a comprehensive line of rapid serological assays in different formats for a broad range of infectious disease categories*. All of these products are cost-effective and user-friendly and offer high specificity and exquisite sensitivity. It is our pleasure to introduce MIKROGEN GmbH and Virion\Serion GmbH to you!

MIKROGEN GmbH

The core business of MIKROGEN GmbH is the development, production and distribution of innovative infectious disease test systems that are based on recombinant bacterial and viral antigens. MIKROGEN incorporates their recombinant antigens into ELISA formats (recomWell) and two immunoblot formats (recomBlot and recomLine) for detection of specific IgG, IgM, and IgA antibodies. recomBlot and recomLine are particularly useful products because the antigens are presented separately from one another on one nitrocellulose strip, thereby permitting simultaneous detection of antibodies to individual antigenic components. The complete list of MIKROGEN's infectious disease test products follows on pages 21-22. (Note: Many of MIKROGEN's recombinant antigens are available as stand-alone products on a custom basis; please inquire about availability).

Virion\Serion GmbH

For more than 20 years, Virion\Serion GmbH has been dedicated to the development, production and distribution of quality infectious disease test systems. Virion\Serion's comprehensive line of ELISA Classic serology products covers a broad range of bacterial, viral, and fungal pathogens with rapid, standardized protocols for detection of IgG, IgM, and IgA antibodies. All of the antigens used in Virion\Serion's assay systems are produced in their own laboratories under the control of their experienced staff, and we are very pleased to be able to make these antigens available to our customers as stand-alone products. The complete lists of Virion\Serion's ELISA Classic products and ELISA antigens follow on pages 23-29.

**Products from MIKROGEN GmbH and Virion\Serion GmbH are sold in the U.S. and Canada for research use only and not for use in diagnostic or therapeutic procedures.*

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MIKROGEN INFECTIOUS DISEASE TEST SYSTEMS

QED Bioscience is proud to have been selected as the North American distributor for MIKROGEN'S infectious disease test systems.* All MIKROGEN test systems use recombinant bacterial and viral antigens, produced at MIKROGEN'S ISO 9001 certified laboratories, to detect antigen-specific antibodies. MIKROGEN products include immunoblot assays (recomBlot, recomLine, Immunoblot) and ELISA products (recomWell) and come with complete instructions for performing the tests and interpreting results. MIKROGEN products are manufactured in compliance with European Guidelines on *In Vitro* Diagnostics (CE).**

Catalog No.	Product	Content	Price (\$)
4202	recomBlot Borrelia IgG/IgM	20 Tests	390.00
4204	recomWell Borrelia IgG	96 Tests	290.00
4205	recomWell Borrelia IgM	96 Tests	290.00
4802	recomBlot Bunyavirus IgG/IgM	20 Tests	410.00
4502	recomBlot EBV IgG	20 Tests	410.00
4503	recomBlot EBV IgM/IgA	20 Tests	410.00
4572	recomLine EBV IgG	50 Tests	570.00
4573	recomLine EBV IgM	50 Tests	570.00
4702	Immunoblot H. pylori IgG	20 Tests	350.00
4703	Immunoblot H. pylori IgA	20 Tests	350.00
4704	recomWell H. pylori IgG	96 Tests	290.00
4705	recomWell H. pylori IgA	96 Tests	290.00

QED BIOSCIENCE

MIKROGEN INFECTIOUS DISEASE TEST SYSTEMS

Catalog No.	Product	Content	Price (\$)
5002	recomBlot Hepatitis E Virus IgG/IgM	20 Tests	390.00
4402	recomBlot Parvovirus B19 IgG/IgM	20 Tests	390.00
4902	recomBlot Rubella IgG	20 Tests	510.00
5102	recomBlot Treponema IgG	20 Tests	410.00
5103	recomBlot Treponema IgM	20 Tests	410.00
4602	recomBlot Yersinia IgG	20 Tests	370.00
4603	recomBlot Yersinia IgM/IgA	20 Tests	370.00
4604	recomWell Yersinia IgG	96 Tests	290.00
4605	recomWell Yersinia IgM	96 Tests	290.00
4606	recomWell Yersinia IgA	96 Tests	290.00

* For distributors in countries other than the U.S. and Canada, please contact MIKROGEN at mikrogen@mikrogen.de.

** MIKROGEN products are sold in the U.S. and Canada for research use only and not for use in diagnostic or therapeutic procedures.

QED Bioscience is proud to have been selected as the North American distributor for Virion/Serion's ELISA test kits*. Since 1978 Virion/Serion has been dedicated to supplying superior quality antibody detection kits for more than 30 different pathogens using highly purified antigens to detect pathogen-specific antibodies. Every Virion/Serion antibody detection kit offers user-friendly test procedures that can be easily automated and includes complete instructions for performing the tests and interpreting results. All Virion/Serion ELISA *Classic* products are manufactured in compliance with the European Guidelines on *In Vitro* Diagnostics (CE)**.

Catalog No.	ELISA Product	Content	Price (\$)
ESR128G	Adenovirus IgG	96 Tests	305.00
ESR128A	Adenovirus IgA	96 Tests	325.00
ESR132G	Aspergillus fumigatus IgG	96 Tests	305.00
ESR132M	Aspergillus fumigatus IgM	96 Tests	325.00
ESR132A	Aspergillus fumigatus IgA	96 Tests	325.00
ESR120G	Bordetella pertussis IgG	96 Tests	305.00
ESR120M	Bordetella pertussis IgM	96 Tests	325.00
ESR120A	Bordetella pertussis IgA	96 Tests	325.00
ESR116G	Brucella IgG	96 Tests	305.00
ESR116M	Brucella IgM	96 Tests	325.00
ESR116A	Brucella IgA	96 Tests	325.00
ESR139G	Campylobacter jejuni IgG	96 Tests	305.00
ESR139M	Campylobacter jejuni IgM	96 Tests	325.00
ESR139A	Campylobacter jejuni IgA	96 Tests	325.00

Catalog No.	ELISA Product	Content	Price (\$)
ESR117G	Candida albicans IgG	96 Tests	305.00
ESR117M	Candida albicans IgM	96 Tests	325.00
ESR117A	Candida albicans IgA	96 Tests	325.00
ESR137G	Chlamydia IgG	96 Tests	305.00
ESR137A	Chlamydia IgA	96 Tests	325.00
ESR1311G	Coxiella burnetii IgG (Q-Fever Phase I)	96 Tests	305.00
ESR1311A	Coxiella burnetii IgA (Q-Fever Phase I)	96 Tests	325.00
ESR1312G	Coxiella burnetii IgG (Q-Fever Phase II)	96 Tests	305.00
ESR1312M	Coxiella burnetii IgM (Q-Fever Phase II)	96 Tests	325.00
ESR134G	Coxsackievirus IgG	96 Tests	305.00
ESR134M	Coxsackievirus IgM	96 Tests	325.00
ESR134A	Coxsackievirus IgA	96 Tests	325.00
ESR109G	Cytomegalovirus IgG	96 Tests	270.00
ESR109M	Cytomegalovirus IgM	96 Tests	290.00
ESR130G	Corynebacteria diphtheriae IgG	96 Tests	325.00

Catalog No.	ELISA Product	Content	Price (\$)
ESR107G	Echinococcus IgG	96 Tests	305.00
ESR135G	Echovirus IgG	96 Tests	305.00
ESR135M	Echovirus IgM	96 Tests	325.00
ESR135A	Echovirus IgA	96 Tests	325.00
ESR1362G	Epstein-Barr Virus / EBNA1 IgG	96 Tests	270.00
ESR1361G	Epstein-Barr Virus / VCA IgG	96 Tests	270.00
ESR1361M	Epstein-Barr Virus / VCA IgM	96 Tests	290.00
ESR112G	Tick-Borne Encephalitis Virus IgG	96 Tests	305.00
ESR112M	Tick-Borne Encephalitis Virus IgM	96 Tests	325.00
ESR118G	Helicobacter pylori IgG	96 Tests	305.00
ESR118M	Helicobacter pylori IgM	96 Tests	325.00
ESR118A	Helicobacter pylori IgA	96 Tests	325.00
ESR1051G	Herpes simplex Virus 1 IgG	96 Tests	270.00
ESR1051M	Herpes simplex Virus 1 IgM	96 Tests	290.00
ESR1052G	Herpes simplex Virus 2 IgG	96 Tests	270.00
ESR1052M	Herpes simplex Virus 2 IgM	96 Tests	290.00
ESR105G	Herpes simplex Virus 1 and 2 IgG	96 Tests	305.00
ESR105M	Herpes simplex Virus 1 and 2 IgM	96 Tests	325.00

Catalog No.	ELISA Product	Content	Price (\$)
ESR105A	Herpes simplex Virus 1 and 2 IgA	96 Tests	325.00
ESR1231G	Influenza A Virus IgG	96 Tests	305.00
ESR1231A	Influenza A Virus IgA	96 Tests	325.00
ESR1232G	Influenza B Virus IgG	96 Tests	305.00
ESR1232A	Influenza B Virus IgA	96 Tests	325.00
ESR106G	Legionella pneumophila 1-7 IgG	96 Tests	305.00
ESR106M	Legionella pneumophila 1-7 IgM	96 Tests	325.00
ESR125G	Leptospira IgG	96 Tests	305.00
ESR125M	Leptospira IgM	96 Tests	325.00
ESR102G	Measles Virus IgG	96 Tests	270.00
ESR102M	Measles Virus IgM	96 Tests	290.00
ESR103G	Mumps Virus IgG	96 Tests	305.00
ESR103M	Mumps Virus IgM	96 Tests	325.00
ESR127G	Mycoplasma pneumoniae IgG	96 Tests	305.00
ESR127M	Mycoplasma pneumoniae IgM	96 Tests	325.00
ESR127A	Mycoplasma pneumoniae IgA	96 Tests	325.00

Catalog No.	ELISA Product (US\$)	Content	Price
ESR1261G	Parainfluenza Virus 1 IgG	96 Tests	305.00
ESR1262G	Parainfluenza Virus 2 IgG	96 Tests	305.00
ESR1263G	Parainfluenza Virus 3 IgG	96 Tests	305.00
ESR126A	Parainfluenza Virus 1, 2, 3 IgA	96 Tests	325.00
ESR122G	Parvovirus B19 IgG	96 Tests	325.00
ESR122M	Parvovirus B19 IgM	96 Tests	345.00
ESR113G	Respiratory Syncytial Virus IgG	96 Tests	305.00
ESR113A	Respiratory Syncytial Virus IgA	96 Tests	325.00
ESR129G	Rubella Virus IgG	96 Tests	325.00
ESR129M	Rubella Virus IgM	96 Tests	325.00
ESR108G	Tetanus IgG	192 Tests	325.00
ESR110G	Toxoplasma gondii IgG	96 Tests	270.00
ESR110M	Toxoplasma gondii IgM	96 Tests	290.00
ESR104G	Varicella-Zoster Virus IgG	96 Tests	270.00
ESR104M	Varicella-Zoster Virus IgM	96 Tests	290.00
ESR104A	Varicella-Zoster Virus IgA	96 Tests	325.00

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VIRION / SERION INFECTIOUS DISEASE ANTIGENS

In addition to ELISA *Classic* products, Virion/Serion also offers an extensive panel of infectious disease ELISA antigens.* All of these antigens are produced at Virion/Serion's ISO 9001 certified laboratories by a technical team with years of experience in the culture and purification of microorganisms. These antigens are incorporated in Virion/Serion's ELISA *Classic* test kits and were developed along with these kits to produce antigens that are optimally suited for use in immunoassays.** All of these antigens are inactivated and non-infectious.

Catalog No.	ELISA Antigen	Price(\$)/mg 1-50 mg	Price(\$)/mg 51-100 mg	Price(\$)/mg 101-500 mg	Price(\$)/mg 501-1000 mg
BA128VS	Adenovirus Type 2 Hexon	380.00	355.00	315.00	255.00
BA132VS	Aspergillus fumigatus	300.00	285.00	250.00	200.00
BA121VS	Borrelia afzelii	275.00	255.00	225.00	180.00
BA121GVS	Borrelia garinii	300.00	280.00	250.00	200.00
BA139VS	Campylobacter jejuni	255.00	235.00	210.00	170.00
BA117VS	Candida albicans	140.00	130.00	115.00	95.00
BA137VS	Chlamydia	350.00	320.00	280.00	225.00
BA134B1VS	Coxsackievirus B1	220.00	205.00	180.00	145.00
BA134B5VS	Coxsackievirus B5	280.00	260.00	230.00	185.00
BA134B6VS	Coxsackievirus B6	220.00	200.00	180.00	145.00
BA109VS	Cytomegalovirus	340.00	315.00	275.00	225.00
BA107VS	Echinococcus	335.00	310.00	275.00	220.00
BA135VS	Echovirus Type 6	210.00	195.00	175.00	140.00
BA118VS	Helicobacter pylori	220.00	200.00	180.00	145.00
BA1051VS	Herpes simplex Virus Type 1	195.00	180.00	160.00	130.00
BA1052VS	Herpes simplex Virus Type 2	220.00	200.00	180.00	145.00
BA1231VS	Influenza A Virus	255.00	235.00	210.00	170.00
BA1232VS	Influenza B Virus	255.00	235.00	210.00	170.00
BA106VS	Legionella pneumophila	450.00	420.00	370.00	300.00

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VIRION / SERION INFECTIOUS DISEASE ANTIGENS

Catalog No.	ELISA Antigen	Price(\$)/mg 1-50 mg	Price(\$)/mg 51-100 mg	Price(\$)/mg 101-500 mg	Price(\$)/mg 501-1000 mg
BA125VS	Leptospira biflexa	330.00	310.00	275.00	220.00
BA102VS	Measles Virus	305.00	285.00	250.00	200.00
BA103VS	Mumps Virus	305.00	285.00	250.00	200.00
BA127VS	Mycoplasma pneumoniae	420.00	395.00	345.00	280.00
BA1261VS	Parainfluenza Virus Type 1	255.00	235.00	210.00	170.00
BA1262VS	Parainfluenza Virus Type 2	255.00	235.00	210.00	170.00
BA1263VS	Parainfluenza Virus Type 3	255.00	235.00	210.00	170.00
BA113VS	Respiratory Syncytial Virus	165.00	150.00	135.00	110.00
BA129VS	Rubella Virus Grade 1	2,040.00	1,900.00	1,700.00	1,350.00
BA129G2VS	Rubella Virus Grade 2	170.00	160.00	140.00	115.00
BA110GVS	Toxoplasma gondii (IgG)	180.00	170.00	150.00	120.00
BA110MVS	Toxoplasma gondii (IgM)	660.00	615.00	545.00	435.00
BA104VS	Varicella-Zoster Virus	490.00	455.00	400.00	325.00

* For distributors in countries other than the U.S. and Canada, please contact Virion\Serion at dialog@virion-serion.de.

** Virion\Serion products are sold in the U.S. and Canada for research use only and not for use in diagnostic or therapeutic procedures.

QED BIOSCIENCE

NEW CUSTOM SERVICES FROM QED BIOSCIENCE

PEPTIDE ANTIBODY PACKAGE

QED's Peptide Antibody Package combines peptide synthesis, peptide conjugation, and immunization protocols and delivers polyclonal anti-peptide antiserum at less than \$10.00 per ml in only 60 days.

This package includes:

- Protein sequence analysis to identify optimal antigenic peptide sequences.
- Peptide synthesis (>90% peptide purity) and conjugation to carrier protein.
- Immunization of two New Zealand White rabbits bred at our own facility.
- 180-200 ml of antiserum.
- ELISA titration of antiserum.
- You receive pre-immune serum, antiserum, and 5 mg of peptide at project end.

Affinity Purification of 10-50 ml of antiserum is available for \$585.00. This price includes preparation of the peptide affinity column which will be provided to you along with purified antibody.

Price: \$1,800

SMALL ANIMAL RESEARCH SERVICES

QED Bioscience's experienced staff of laboratory animal technicians can perform a variety of studies in mice, rats, or rabbits to assist you in your evaluations of efficacy, immunogenicity, and safety of your candidate vaccines and therapeutic proteins. These studies include:

Vaccine Efficacy

- Development of vaccination protocols if requested.
- Monitoring and quantitation of humoral immune responses.
- Short-term or long-term studies.
- Delivery of samples to you for analysis in your laboratory.

Immunogenicity Testing Of Therapeutic Proteins

- Development of immunization protocols if requested.
- Evaluation of varying doses and routes of administration.
- Monitoring and quantitation of humoral immune responses.
- Short-term or long-term studies.
- Delivery of samples to you for analysis in your laboratory.

Safety Studies

- Administration of compounds to a minimum of 3 mice and 3 rats.
- Evaluation of varying doses and routes of administration if needed.
- Daily observation of animal health and general condition for 7 days.

Pharmacology Studies

- Development of study protocols if requested.
- Evaluation of varying doses and routes of administration.
- Collection and analysis of blood and tissue samples.
- Monitoring of animal health, weight, appearance, etc.
- Monitoring of consumption of food and water.
- Short-term or long-term studies.
- Delivery of samples to you for analysis in your laboratory.

These are the services most frequently requested by our clients. If we did not include a Small Animal Research Service that you need, call us. Chances are we can help.

Price: *Because all of these studies are customized to fulfill each different client's requirements, we do not have fixed prices for these research services. Instead, we will work closely with you under Confidentiality and Material Transfer Agreements to design studies that are as efficient and economical as possible. Please inquire for price quotations and schedule availability.*

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