

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Insulin Receptor Monoclonal Antibodies

ORDERING INFORMATION

Catalog No.: 50101, 50102, 50103, 50104.

Size: 100 ug Protein G-purified antibody in PBS, pH 7.

SPECIFICATION SUMMARY

Antigen: 50101, 50102, 50103: IM-9 lymphocytes. 50104: human placental insulin receptor.

Host Species: Mouse.

Antibody Class: 50101 = IgG2a; 50102, 50103 = IgG1; 50104 = IgG2b

Stabilizers: None

Preservatives: None. Available on request.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C.

Store product in appropriate aliquots to avoid multiple freeze-thaw cycles

REFERENCES

Soos et al. (1986) Biochem J 235: 199;
Brindle et al. (1990) Biochem J 268: 615; Prigent et al. (1990) J Biol Chem 265: 9970.

SPECIFICITY

All four clones recognize the human insulin receptor; low-level of cross-reactivity with bovine and rabbit insulin receptor.

<u>Cat. No.</u>	<u>Subunit Specificity</u>	<u>% Inhibition of Insulin Binding</u>		<u>Biological Activity</u>	<u>Conc. for half-maximal effect (nM)</u>	
		<u>IM-9</u>	<u>Adipocytes</u>		<u>Inhibition of Insulin Binding</u>	<u>Stimulation of Lipogenesis</u>
50101 (83-14)	α	80	90	Insulin-like	0.05	0.01
50102 (83-7)	?	0	10	Insulin-like	-	1.0
50103 (47-9)	α	92	98	Inhibits insulin	0.2	-
50104 (18-44)	β	35	40	Insulin-like	0.2	0.3

APPLICATIONS

<u>Cat. No.</u>	<u>Immunoprecipitation</u>	<u>Western Blot</u>	<u>Receptor Kinase Assay</u>
50101 (83-14)	+++	-	Activates receptor kinase
50102 (83-7)	+	-	Activates receptor kinase
50103 (47-9)	-	-	Blocks activation by insulin
50104 (18-44)	+	+	Activates receptor kinase

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.