

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## ***Streptococcus agalactiae* Monoclonal Antibodies**

### **ORDERING INFORMATION**

**Catalog No.:** 56001 - 56005.

**Size:** 1 ml ascites or 1 mg purified antibody in PBS, pH 7.4

### **SPECIFICATION SUMMARY**

**Antigen:** UV-inactivated *Strep. agalactiae* cells isolated from mastitic milk.

**Host Species:** Mouse

**Antibody Class:** 56005 = IgG1;  
56001 - 56004 = IgM.

**Stabilizers:** None

**Preservatives:** None. Available on request.

### **ACTIVITY**

	<b>Ig mg/ml*</b>	<b>ELISA Titer**</b>
56001	15.2	1 : 32,000
56002	19.3	1: 32,000
56003	18.3	1: 32,000
56004	11.5	1:1,024,000
56005	6.7	1: 128,000

\* Determined by radial immunodiffusion for several lots of ascites.

\*\*ELISA is an indirect assay against *Strep. agalactiae* cells on the solid phase. Titers represent endpoint dilutions that achieve absorbance values  $\geq 0.1$ .

### **SPECIFICITY**

These antibodies recognize *Strep. agalactiae* and cross-react weakly with *Strep. dysgalactiae*. They do not cross-react with *Strep. uberis*, *Strep. bovis*, *Strep. faecalis*, *Staph. aureus*, *Mycoplasma bovis*, *Mycoplasma californicum*, *Mycoplasma bovigenitalium*, *E. coli*, or *Corynebacterium bovis*.

### **APPLICATIONS**

These antibodies may be used in immunoassays to detect and quantitate *Strep. agalactiae*. Other applications are under investigation.

### **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  $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$ . Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

*For in vitro investigational use only.*

*Not for use in therapeutic or diagnostic procedures.*