

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

### **ORDERING INFORMATION**

<b>Catalog No.</b>	<b>Clone No.</b>	<b>MAb Subtype</b>	<b>Size</b>	<b>Library Pack No. 100ug/clone</b>
56001	Strep12-424.1	IgM*	100ug, 500ug	560101 All 5 clones
56002	Strep12-445.3	IgM*	100ug, 500ug	
56003	Strep12-448.4	IgM*	100ug, 500ug	
56004	Strep13-504.5	IgM*	100ug, 500ug	
56005	Strep13-509.3	IgG1**	100ug, 500ug	

**Format:** \* PEG-Purified antibody in PBS, pH 7.4  
\*\*Protein G-purified antibody in PBS, pH 7.4

### **BACKGROUND**

*Streptococcus agalactiae* is a major cause of mastitis in dairy cattle and an important source of economic loss for the dairy industry. Infection in cows can either produce an acute febrile disease or a subacute more chronic condition. Both lead to diminishing milk production (hence its name: *agalactiae* meaning "of no milk"). Outbreaks in herds are common, so this is of major importance for the dairy industry, and programs to reduce the impact of *Strep. agalactiae* disease have been enforced in many countries over the last 40 years.

### **SPECIFICATION SUMMARY**

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

**Host Species:** Mouse

**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 bovis genitalium*, *E. coli*, or *Corynebacterium bovis*.

### **APPLICATIONS**

These antibodies have been qualified for use in ELISA to detect *Strep. agalactiae*. Endusers should determine optimal concentrations for their applications.

### **DILUTION INSTRUCTIONS**

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

### **STORAGE AND STABILITY**

These antibodies are stable for at least one (1) year at -20° to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

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