

## ***Staphylococcus aureus* Monoclonal Antibodies**

### **ORDERING INFORMATION**

**Catalog No.:** 15702, 15703, 15704

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

### **SPECIFICATION SUMMARY**

**Antigen:** UV-inactivated

*Staphylococcus aureus* cells (ATCC #29740)

**Host Species:** Mouse

**Antibody Class:** 15703 = IgM;  
15702, 15704 = IgG3

**Stabilizers:** None

**Preservatives:** 0.1% sodium azide

### **ACTIVITY**

	<b>Ig mg/ml*</b>	<b>ELISA Titer**</b>
15702	20.7	1: 16,000
15703	19.0	1: 16,000
15704	4.9	1: 4,000

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

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

### **SPECIFICITY**

These antibodies specifically recognize peptidoglycan of *Staph. aureus*, Protein A-negative *Staph. aureus*, and *Staph. epidermidis*. They do not cross-react with *Streptococcus* sp., *Mycoplasma* sp. or *Corynebacteria* sp.

### **APPLICATIONS**

These antibodies may be used in immunoassays to detect and quantitate *Staph. aureus* cells. 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 4°C. Because IgM and IgG3 antibodies tend to aggregate after freezing and thawing, DO NOT FREEZE.

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