

***Staphylococcus aureus* Monoclonal Antibodies**

ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype
15702	Staph11-232.3	IgG3
15703	Staph11-248.2	IgM
15704	Staph12-569.3	IgG3
Format:	PEG-purified antibody in PBS, pH 7.4	

Library Pack No. 100ug/clone
157101 All 3 clones

BACKGROUND

Staphylococcus aureus is a gram-positive coccus frequently found in the nose, respiratory tract, and on skin. It is often positive for catalase and nitrate reduction. Although *S. aureus* is not always pathogenic, it is a common cause of skin infections such as abscesses, respiratory infections such as sinusitis, and food poisoning. Pathogenic strains often promote infections by producing potent protein toxins, and expressing cell-surface proteins that bind and inactivate antibodies. The emergence of antibiotic-resistant strains of *S. aureus* such as methicillin-resistant *S. aureus* (MRSA) is a worldwide problem in clinical medicine.

SPECIFICATION SUMMARY

Antigen: UV-inactivated *Staphylococcus aureus* cells (ATCC #29740).

Host Species: Mouse

Specificity: These antibodies 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 have been qualified for use in ELISA to detect *Staph. aureus*. 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 -2-8°C. Do not freeze.