

12-8555: Anti-Staphylococcus Aureus (Clone Staph11-232.3)

Clonality :	Monoclonal
Clone Name :	Staph11-232.3
Application :	ELISA
Isotype :	Mouse IgG3
Immunogen Information :	UV-inactivated Staphylococcus aureus cells

Description

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.

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.

Product Info

Amount :	500 µg / 100 µg
Purification :	Preparation: Antibodies are purified by a multi-step process including the use of PEG purification chromatography. Concentration: Lot Specific
Content :	Formulation: This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.
Storage condition :	This antibody is stable for at least one (1) year at 2-8°C. DO NOT FREEZE.

Application Note

These antibodies have been qualified for use in ELISA to detect *Staph. aureus*.

End users should determine optimal concentrations for their applications.