

Staphylococcus Aureus Antibody

Monoclonal Antibody

Product Information

Product No.: 15704
Clone: Staph12-569.3
Isotype: Mouse IgG3
Storage: Sterile 2 to 8°C

Product Description

Specificity:

These antibodies recognize peptidoglycan of *staphylococcus aureus*, Protein A-negative *staphylococcus aureus*, and *Staphylococcus 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 *staphylococcus 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 *staphylococcus aureus* such as *methicillin-resistant-staphylococcus-aureus* (MRSA) is a worldwide problem in clinical medicine.

Known Reactivity Species:

Staphylococcus Aureus, *Staphylococcus Epidermidis*

Format:

Purified

Immunogen:

UV-inactivated *Staphylococcus aureus* cells

Formulation

This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.

Storage and Stability

These antibodies are stable for at least one (1) year at 2 to 8°C. **Do not freeze.**

Product Preparation

Antibodies are purified by a multi-step process including the use of PEG purification chromatography.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

These antibodies have been qualified for use in ELISA to detect *staphylococcus aureus*. End users should determine optimal concentrations for their applications.

Country of Origin

USA