



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Staphylococcus aureus Enterotoxin I With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03553

Target Species
Synthetic Peptide

Isotype
IgG2a

Preparation

Synonyms: SIM

Purification: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

Immunogen: Synthetic Staphylococcus aureus enterotoxin type I.

Specificity

DS-MB-03553 recognizes Staphylococcus aureus enterotoxin type I. Staphylococcus aureus produces several different types of enterotoxins (SE's). The SE's are short, soluble proteins that are highly stable and resistant to most proteolytic enzymes. They belong to a family of pyrogenic toxins and as such cause an increase in body temperature, immunosuppression and non-specific T-cell proliferation. These activities are referred to as superantigen activity and results from the interaction of SE's with T-cell antigen receptors and the major histocompatibility complex (MHC) on antigen presenting cells. In addition to their superantigen activity, SE's are also emetics (they cause vomiting). The SE's are important in food poisoning. Enterotoxin I is implicated in scarlet fever, toxic shock and bovine mastitis.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: Phosphate buffered saline

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Preservative Stabilizers: 0.09% Sodium Azide (NaN₃)

Storage

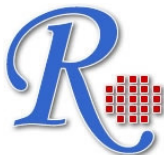
Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoprecipitation			•	
Western Blotting	•			
Elisa	•			

Note: Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

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