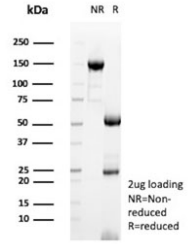
MRSA Antibody / Methicillin Resistant Staphylococcus Aureus [clone 332/423] (V5372)

Catalog No.	Formulation	Size
V5372-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5372-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5372SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	332/423
Purity	Protein A/G affinity
Applications	Immunofluorescence: 1-3ug/ml
Limitations	This MRSA antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free MRSA antibody (clone 332/423) as confirmation of integrity and purity.

Description

Staphylococcal enterotoxins represent a group of proteins, which are secreted by Staphylococcus aureus and cause the intoxication staphylococcal food poisoning syndrome. The illness characterized by high fever, hypotension, diarrhea, shock, and in some cases death. Their molecular masses range between 27 and 30kDa. At present, seven enterotoxins are known, namely A, B, C1, C2, C3, D and E. Their amino acid sequences have been determined and it was shown that

all are single chain polypeptides containing one disulfide bond formed by two half cysteine located in the middle of the polypeptide chain, which form the so called cysteine loop. Enterotoxins are extremely potent activator of T cells, stimulating the production and secretion of various cytokines, which mediate many of the toxic effects of these substances. Enterotoxins are super antigens, inducing polyclonal T cell activation by binding to the TCR and to the alpha chain of the MHC II molecule simultaneously.

Application Notes

Optimal dilution of the MRSA antibody should be determined by the researcher.

Immunogen

Methicillin-resistant Staphylococcus aureus (MRSA) was used as the immunogen for the MRSA antibody.

Storage

Aliquot the MRSA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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