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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-M protein, serotype 5 [27.4.1] Standard Size Ab03910-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 27.4.1

Alternative Name(s) of Target: Myosin; Streptococcal M-protein; Keratin; Tropomyosin; Ganglioside; Glycophorin M,N

UniProt Accession Number of Target Protein: P02977

Published Application(s): HA, ELISA, IF

Published Species Reactivity: Streptococcus pyogenes, Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with streptococcal M type 5 membranes followed by a second, boosting dose of Lysin M5.

Specificity: This antibody reacts with α -helical molecules. Specifically, it binds streptococcal M-protein (type 5), human myosin, keratin, tropomyosin, ganglioside, and glycophorin M,N.

Application Notes: This antibody reacts with the human retina, as shown in an indirect immunofluorescence assay. This antibody reacts with retinal S-antigen (S-Ag), as shown in an ELISA (Lerner et al., 1995; PMID: 8722579). This antibody binds myosin at a high relative avidity, as determined in a competitive ELISA. Reactivity with glycophorin M and N was determined by hemagglutination assay (Mertens et al., 2000; PMID: 11282394).

Antibody First Published in: Cunningham et al. Human and murine antibodies cross-reactive with streptococcal M protein and myosin recognize the sequence GLN-LYS-SER-LYS-GLN in M protein J Immunol. 1989 Oct 15;143(8):2677-83 [PMID:2677144](#)

Note on publication: The original publication describes the use of overlapping synthetic peptides to map the myosin cross-reactive epitopes of streptococcal M protein recognized by antibodies from acute rheumatic fever and rheumatic heart disease sera.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.