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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-M protein, serotype 5 [49.8.9] Bulk Size Ab03920-1.1-BT

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 49.8.9

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

UniProt Accession Number of Target Protein: P02977

Published Application(s): HA, PRNT, WB, ELISA

Published Species Reactivity: Rat, Streptococcus pyogenes, Human

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

Specificity: This antibody reacts with α -helical molecules and the carbohydrate N-acetyl-b-D-glucosamine (GlcNAc). Specifically, it binds streptococcal M-protein (type 5), human myosin, keratin, DNA, vimentin, troponin, ganglioside, and glycophorin M,N.

Application Notes: This antibody reacts with human heart cells and whole streptococci (group A, M type 5), as shown in an ELISA, and with human heart cells, human sarcolemma (weak response), and group A streptococcal membranes (weak response), as shown in a WB (Cunningham et al., 1984; PMID: 6384047). This antibody labels the cytoplasm of epidermal cells and epidermal appendages in normal and psoriatic skin, as shown by immunofluorescent staining (Swerlick et al., 1986; PMID: 3525693). This antibody binds CV (B3), as shown in an ELISA; neutralizes PV-1 and CV (B3), as shown in a plaque-reduction neutralization assay; and is slightly cytotoxic to rat fibroblasts, as shown in a cytotoxicity assay (Cunningham et al., 1992; PMID: 1311095). 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 medium 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. Murine monoclonal antibodies reactive with human heart and group A streptococcal membrane antigens *Infect Immun.* 1984 Oct;46(1):34-41. doi: 10.1128/iai.46.1.34-41.1984 [PMID:6384047](#)

Note on publication: The original publication characterizes the antibody's reactivity with human heart and streptococcal antigens.

Product Form

Size:

1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.