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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-M protein, serotype 5 [54.2.8] Standard Size Ab03918-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 54.2.8

Alternative Name(s) of Target: M protein, serotype 6; M protein, serotype 12; Myosin; Streptococcal M-protein; Keratin; DNA; Vimentin; Tropomyosin; Troponin; Ganglioside; Glycophorin M,N

UniProt Accession Number of Target Protein: P02977

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

Published Species Reactivity: Rabbit, 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 is anti-nuclear (binds DNA). Specifically, it binds streptococcal M-protein (type 5), human myosin, keratin, DNA, vimentin, tropomyosin, troponin, ganglioside, and glycophorin M,N.

Application Notes: This antibody reacts with rabbit myosin, as shown in a WB. This antibody reacts with M type 5 membrane proteins and human heart cell extract, as shown in an ELISA (Krisher et al., 1985; PMID: 2578225). This antibody reacts with the heavy chain of cardiac myosin. Specifically, it reacts with both heavy and light meromyosin fragments, as shown in WB and competitive inhibition assays (Cunningham et al., 1986; PMID: 3510006). This antibody stains the nuclei and cytoplasm of cells within the epidermis and epidermal appendages, as well as cells scattered throughout the dermis 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 moderately cytotoxic to rat fibroblasts, as shown in a cytotoxicity assay (Cunningham et al., 1992; PMID: 1311095). This antibody reacted with retinal S-antigen (S-Ag) 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: Krisher et al. Myosin: a link between streptococci and heart Science. 1985 Jan 25;227(4685):413-5. doi: 10.1126/science.2578225 PMID:2578225

Note on publication: The original publication describes the reactivity of monoclonal antibodies to Streptococcus pyogenes with skeletal muscle myosin and high molecular weight proteins in human heart tissue.

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.