



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-M protein, serotype 5 [54.2.8] Bulk Size Ab03918-1.1-BT

**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  $\alpha$ -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:** 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.