



# 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 [27.4.1] Bulk Size Ab03910-1.1-BT

**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  $\alpha$ -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:** 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.