



# 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-PorA protein [MN14C11.6] Standard Size Ab03267-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG2a format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** MN14C11.6

**Alternative Name(s) of Target:** PIA; Protein IA; Class 1 protein; P1.7; P1.7 serosubtype; Major outer membrane protein P.IA; serogroup A; serogroup B

**UniProt Accession Number of Target Protein:** P57041; E6MXW0

**Published Application(s):** functional assay, WB, ELISA

**Published Species Reactivity:** Neisseria meningitidis serogroup A and B

**Immunogen:** The original antibody was generated immunizing mice with outer membrane protein preparations from Neisseria meningitidis.

**Specificity:** This antibody recognizes the P1.7 loop of the PorA protein of Neisseria meningitidis. Epitope mapping revealed that this antibody specifically binds a sequence 'ASGQ'. This antibody can bind both A and B serotype of Neisseria meningitidis. The major outer membrane protein PorA of Neisseria meningitidis is the target for bactericidal serosubtyping antibodies and is currently considered as a potential vaccine candidate against group B meningococcal disease.

**Application Notes:** This antibody showed both bactericidal and opsonophagocytic for P1.7-expressing meningococci. The lowest concentration resulting in >50% killing of strain 44/76-SL was reported to be 0.5 µg/l. The opsonic activity of this antibody was measured against strain 44/76-SL with human peripheral blood polymorphonuclear leukocytes (PMN) as the effector cells and human serum as the complement source. This antibody demonstrated high opsonophagocytic activity with >80% of PMNs exhibiting measurable RB at a concentration of the MAbs of <10 µg/ml. This antibody was opsonic for the test strain 44/76-SL at a concentration of 0.2 µg/ml (PMID: 10722576). This antibody is not capable of binding meningococcal isolates expressing some variations of the P1.7 family especially P1.7b in a whole cell ELISA (PMID: 10512717). This antibody can be used in the detection of outer membrane protein of N. meningitidis strains like 44/76 using an ELISA (PMID: 12753502). This antibody was also used for the analysis of isogenic target strains derived from H44/76 (B:15:P1.7,16) in a western blot assay (PMID: 8698504).

**Antibody First Published in:** Abdillahi et al. Definition of meningococcal class 1 OMP subtyping antigens by monoclonal antibodies. FEMS Microbiol Immunol. 1988 Dec;1(3):139-44.

[PMID:3152545](#)

**Note on publication:** The paper defines antigenic determinants on the class 1 outer membrane proteins using antibodies.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**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.