



# 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-Factor H binding protein [clone4] Standard Size Ab03893-21.0

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

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

**Clone Number:** clone4

**Alternative Name(s) of Target:** fHbp; GNA1870; Genome-derived Neisseria antigen 1870; Lipoprotein 2086

**UniProt Accession Number of Target Protein:** E6MV22

**Published Application(s):** ELISA

**Published Species Reactivity:** Neisseria meningitidis

**Immunogen:** The recombinant fHbp protein of Neisseria meningitidis was used as the antigen for the immunization of BALB/c mice. Anti-fHbp VH/k chain ribosome display libraries was generated and the actual antibody was obtained by panning the scFv library against the recombinant fHbp protein by using a single round of the ribosome display method via a rabbit reticulocyte lysate system.

**Specificity:** This antibody binds a surface exposed epitope on N. meningitidis FHbp, a virulence factor critical for surviving of the bacteria in the human host. FHbp protein is a bacterial surface lipoprotein that binds host (human) complement factor H (fH, gene CFH). Neisseria meningitidis is the leading global cause of meningitis and sepsis.

**Application Notes:** This antibody exhibited high affinity and specificity in the enzyme-linked immunosorbent assay (ELISA) and the whole bacterial cell enzyme-linked immunosorbent assay (Bact-ELISA). The binding affinity of the scFv version of this antibody for fHbp was reported to be  $K_d = 7.03$  nM (PMID: 29737965).

**Antibody First Published in:** Yarian et al. Identification and characterization of a novel single-chain variable fragment (scFv) antibody against Neisseria meningitidis factor H-binding protein (fHbp) J Med Microbiol. 2018 Jun;67(6):820-827. [PMID:29737965](#)

**Note on publication:** Describes the isolation and characterization of an scFv antibody against fHbp protein of N meningitidis.

### Product Form

**Size:** 50 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.