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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-Factor H binding protein [clone4] Bulk Size Ab03893-21.0-BT

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: 500 µg Purified antibody in bulk size.

Purification:

Affinity Purified using a recombinant lectin column

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.