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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-HBV pre-S2 protein [1F6] Bulk Size Ab03889-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 1F6

Alternative Name(s) of Target: PreS2; Large envelope protein; L glycoprotein; L-HBsAg; Large S protein; Large surface protein; Major surface antigen

UniProt Accession Number of Target Protein: Q9DUH0

Published Application(s): ELISA

Published Species Reactivity: Hepatitis B virus (HBV)

Immunogen: The original antibody was generated by immunizing mice with purified HBsAg containing pre-S1 and pre-S2 proteins.

Specificity: This antibody binds an epitope 'DPRVRGLYF' (amino acids 131-141) of the pre-S2 region of the hepatitis B virus. Hepatitis B is a potentially life-threatening liver infection caused by the hepatitis B virus (HBV). It can cause chronic infection and puts people at high risk of death from cirrhosis and liver cancer.

Application Notes: The binding reactivity and affinity of this antibody towards HBV pre-S2 protein was determined using ELISA. The original mouse IgG1 version of this antibody was reported to bind pre-S2 protein of HBV with a binding affinity of $K_d = 1.2$ nM (PMID: 10509818).

Antibody First Published in: Küttner et al. Characterization of neutralizing anti-pre-S1 and anti-pre-S2 (HBV) monoclonal antibodies and their fragments. Mol Immunol. 1999 Jul;36(10):669-83. [PMID:10509818](#)

Note on publication: Describes the generation and epitope characterization of two antibodies against pre-S1 and pre-S2 region of hepatitis B virus.

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.