



# 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-HBV pre-S2 protein [1F6] Standard Size Ab03889-23.0

**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:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**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.