



# 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-HBsAg [F124] Bulk Size Ab00768-10.0-BT

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** F124

**Alternative Name(s) of Target:** HBV M protein; Hepatitis B virus surface antigen; Hepatitis B surface antigen; HBV surface antigen; HBV-sAg; Hepatitis B virus M protein; Major surface protein

**UniProt Accession Number of Target Protein:** Q773S4

**Published Application(s):** NTRL, RIA, WB, ELISA

**Published Species Reactivity:** Hepatitis B Virus

**Immunogen:** BALB/c mice were immunized by injection of HBV particles serotype ay, purified from HBsAg-positive patient blood sera. Splenocytes from immunized mice were then fused with the Sp2/0-Ag myeloma cell line.

**Specificity:** F124 was shown to react with an epitope within the pre-S2 region of the HBV surface antigen M protein, shown by Western blot and RIA using both full viral particles and HBsAg particles (Budkowska et al, 1986). F124 is also reactive against a synthetic peptide corresponding to the N-terminal residues 120-150 (FPAGSSSGTVNPVLTASPL) of the pre-S2 region (Ni et al, 2010). Hepatitis B is one of the most common infectious diseases on a global scale, with infection associated with both acute and chronic liver inflammation and implicated in up to half of all occurring hepatocellular carcinomas.

**Application Notes:** F124 was used as a solid-phase coating for RIAs detecting HBV particles, resulting in particle immobilisation by binding the pre-S2 epitope of the surface antigen (Budkowska et al, 1986). An scFv-formatted version of F124, comprising the same VH and VL sequences, showed dose-dependent binding to, and competitive blocking of IgG and Fab against, r-HBsAg in an ELISA (Passafiume et al, 1998). Size-exclusion HPLC indicates that, while the scFv monomer shows no tendency to aggregate at low concentrations, equilibrium is achieved at a monomer/dimer ratio of 3:1 at high protein concentrations.

**Antibody First Published in:** Budkowska et al. Monoclonal antibody recognizing pre-S(2) epitope of hepatitis B virus: characterization of pre-S(2) epitope and anti-pre-S(2) antibody. J Med Virol. 1986 Oct;20(2):111-25. [PMID:2430050](#)

**Note on publication:** Describes the original generation of this antibody and characterizes its specificity and functionality.

### 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.