



# 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-Apolipoprotein B-100 [MabB23] Bulk Size Ab03952-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Lambda

**Clone Number:** MabB23

**Alternative Name(s) of Target:** APOB; Apolipoprotein B-100; Apo B-100

**UniProt Accession Number of Target Protein:** P04114

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

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing female BALB/c mice intraperitoneally with 20ug of human apo B-100 and dead Salmonella microbes.

**Specificity:** This antibody binds human apolipoprotein B (APOB). Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor. It is involved in the metabolism of lipids and is the main protein constituent of lipoproteins such as very low-density lipoprotein (VLDL) and low-density lipoprotein (LDL, the “bad cholesterol”).

**Application Notes:** The binding characterization of this antibody towards human APO-B was done using ELISA and immunoblotting. This antibody was also used in a serum assay to determine the quantity of apo-B in a sample using competitive ELISA. This antibody was shown to react with isolated human Apo-B as well as low density lipids but not with high density lipids and lipoprotein-deficient serum (Yoon et al., 1993).

**Antibody First Published in:** Yoon et al. Production of monoclonal antibodies to human apolipoprotein B-100 and development of a monoclonal antibody-based, competitive enzyme-linked immunoassay for apolipoprotein B. Korean Journal of Lipidology, 1993, vol. 3, no. 2, pp. 229-239. [PMID:](#)

**Note on publication:** Describes the generation and characterization of two antibodies against human apolipoprotein B-100.

## 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.