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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Anti-Apolipoprotein B-100 [MabB9] Standard Size Ab03939-2.3

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 mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: MabB9

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 20µg 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, 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: 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.