Apolipoprotein B-100 Recombinant Antibody | B-100 recombinant antibody

Anti-Apolipoprotein B-100 [MabB9], Mouse IgG2b, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72558	**Mouse**	**Human**	**Western Blot, ELISA**

PRODUCT SYNONYMS

Apolipoprotein B-100; Monoclonal Recombinant Antibody; Anti-Apolipoprotein B-100 [MabB9]; Mouse IgG2b; kappa; APOB; Apo B-100; B-100 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b kappa
Clone Number	MabB9
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").
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for B-100 recombinant antibody	WB (Western Blot), ELISA
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES

FCM/FACS (Flow Cytometry)
Flowcytometryusinganti-ApolipoproteinB-100antibodyMabB9(AAA72558). ParaformaldehydefixedHepG2cellspermeabilizedwith0.5%Tritonwerestainedwiththeanti-unknownspecificityantibodyortherabbitIgGversionofMabB9(AAA72558,blueline)atadilutionof1:100for1hatRT.Afterwashing,theboundantibodywasdetectedusingagoatanti-rabbitIgGAlexaFluor488antibodyatadilutionof1:1000,andthecellswereanalyzedusingaFACSCantoflow-cytometer.

IF (Immunofluorescence)
ImmunofluorescencestainingofHep
fixcoverslipsstainedwiththechimeri
right,top-bottom,AAA72558,DAPI,

ADDITIONAL INFORMATION

Related Product Information for B-100 recombinant antibody	The original antibody was generated by immunizing female BALB/c mice intraperitoneally with 20ug of human apo B-100 and dead Salmonella microbes.

References	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. N/A Note on publication: Describes the generation and characterization of two antibodies against human apolipoprotein B-100.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28780
NCBI GeneID	338
UniProt Accession #	P04114; O00502; P78479; P78480; P78481; Q13779; Q13785; Q13786; Q13787; Q13788; Q4ZG63; Q53QC8
Molecular Weight	515,605 Da
NCBI Official Full Name	apo-B100
NCBI Official Synonym Full Names	apolipoprotein B
NCBI Official Symbol	APOB
NCBI Official Synonym Symbols	FLDB; LDLCQ4
NCBI Protein Information	apolipoprotein B-100; apoB-48; apoB-100; apo B-100; mutant Apo B 100; apolipoprotein B48; apolipoprotein B (including Ag(x) antigen)
UniProt Protein Name	Apolipoprotein B-100
UniProt Gene Name	**APOB**
UniProt Synonym Gene Names	Apo B-100; Apo B-48
UniProt Entry Name	APOB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/apolipoprotein-b-100-recombinant-antibody-clone-mabb9-western-blot-elisa/72558