

ApoB Ab

Cat.#: BF0278
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 516kDa
Clonality: Monoclonal

Application: ELISA 1/10000, WB 1/500 - 1/2000, ICC 1/200 - 1/1000, FCM 1/200 - 1/400

Reactivity: Human

Purification: Affinity-chromatography.

Specificity: ApoB Ab detects endogenous levels of total ApoB.

Immunogen: Purified recombinant fragment of human ApoB expressed in E. Coli.

Uniprot: P04114

Description: This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels.

Subcellular Location: Cytoplasm. Secreted.

Tissue Specificity: Up-regulated in response to enterovirus 71 (EV71) infection (at protein level).

Storage Condition and Buffer: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

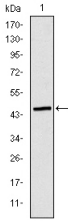


Figure 1: Western blot analysis using ApoB mAb against human ApoB (AA: 3900-4110) recombinant protein. (Expected MW is 45 kDa)

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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