

Monoclonal antibody to ApoA5(bd)

Cat. #: Mab-604007-1 (0.1mg)

Description:

Apolipoprotein A5 (ApoA5) is fast gaining attention as a key regulator of serum triglyceride concentrations. An ApoA5 mouse knock-out model produced an approximately four fold increase in serum triglycerides, whereas a knock-in model with human ApoA5 produced 50-70% lower concentrations of mouse serum triglycerides. In addition, peroxisome proliferator-activated receptor- α agonists, which are used clinically to lower serum triglyceride concentrations, cause increased ApoA5 mRNA expression. Recently, it was demonstrated that ApoA5 is present in human serum detected by polyclonal antibodies against both the NH2 and COOH termini, although at much lower concentration than other apolipoproteins.

Immunogen/Specificity:

Ni-NTA purified truncated recombinant human APOA5 expressed in E. Coli strain BL21 (DE3)

Applications :

Western Blot, ELISA.

Dilution:

Western Blot: 1:500-1,000

ELISA: Determining optimal working dilutions by titration test.

Formulation

Crude ascites

Reference:

1. Pennacchio, L. et al. Science 2001 294, 169-173
2. Prieur, X. et al. (2003) J Biol Chem 278, 25468-25480
3. Obrien, P.J. et al. (2005) Clin Chem 51:2, 1-9

Clone Number: 1G5G9

Isotype: IgG1

Species: Human

Storage and Stability: stored at -20 C

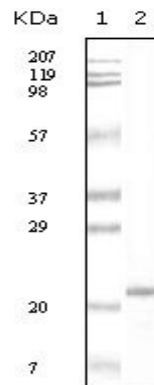


Figure 1: Western blot analysis using anti- human APOA5 monoclonal antibody against recombinant ApoA5 protein.

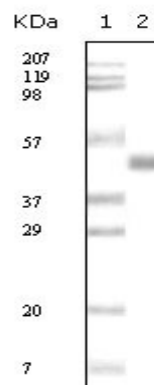


Figure 2: Western blot analysis using anti- human APOA5 monoclonal antibody against human serum total protein.