

# Monoclonal Antibody Pair to APOA5

Cat. #: Mab-604007 (0.1mgx2)

## 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- agonists, which are used clinically to lower serum triglyceride concentrations, cause increased ApoA5 mRNA expression. Despite these compelling molecular biology data, relatively little is known about ApoA5 protein in human serum. This antibody pair detected recombinant apoA5 protein in sandwich ELISA format and could be potential reagents for the development of clinical diagnostic kits.

## Immunogen/Specificity:

Ni-NTA purified recombinant human ApoA5 expressed in E. Coli strain BL21 (DE3).

## Applications :

Western Blot: Dilution 1: 1,000- 1: 2,000

Suggested ELISA dilution 1: 4,000

Optimized dilution must be determined by end user.

## Formulation

Antibodies are purified by protein G affinity chromatography.

## Reference:

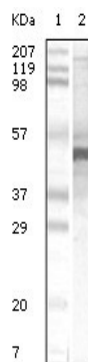
- 1.Pennacchio, L, Science 2001. 294, 169-173.
- 2.Prieur, X. J Biol Chem 2003. 278, 25468-25480.

Clone Number: 2G1H11, 1F1E8

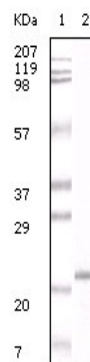
Isotype: IgG1

Species: Human

Storage and Stability: stored at -20 C



**Figure 1:** Western blot analysis using anti-human APOA5 monoclonal antibody against human serum total protein.



**Figure 2:** Western blot analysis using anti-human APOA5 monoclonal antibody against recombinant ApoA5 protein.

## Sandwich ELISA using antibody pair to detect ApoA5 protein

