

APOA5 Mouse Monoclonal Antibody

E 10-20042

Background: 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.

Catalog Number: E10-20042

Amount: 100 μ g/100 μ l

Clone Number: 2G1H11, 1F1E8

Species: Mouse IgG1

Aliases: RAP3; APOAV; APOA-V; MGC126836; MGC126838

Entrez Gene: 116519

Immunogen: Purified recombinant fragment of human ApoA5 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C

Formulation: Purified antibody in PBS containing 0.03% sodium azide

Species Reactivities: Human

Tested Applications: WB, IF, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, IF.1/200 - 1/1000, ELISA. Propose dilution 1/10000.

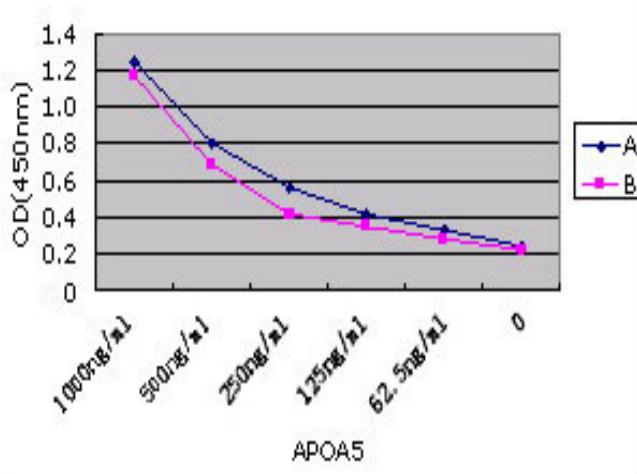


Figure 1. Sandwich ELISA using antibody pair to detect APOA5 protein.

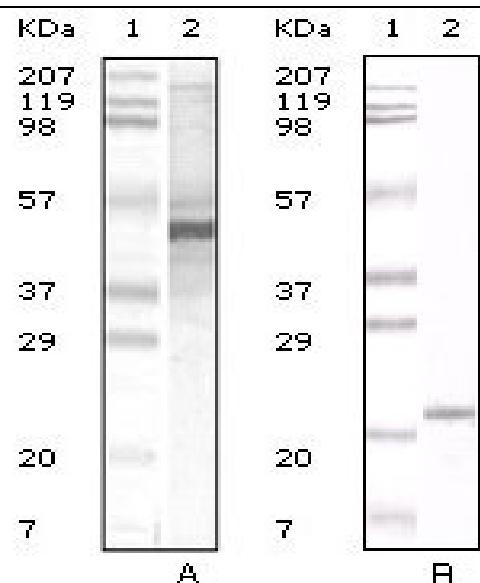


Figure 2. Western blot analysis using ApoA5 mouse mAb against human serum (A) and ApoA5 recombinant protein (B).