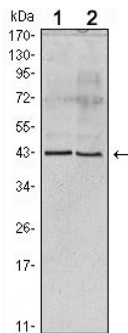




Apoa5

Mouse monoclonal Antibody

#54007

Catalog Number: 54007**Amount:** 100µg/100µl**Swiss-Prot No. :**Q6Q788**Form of Antibody:**Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human ApoA5 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:**This antibody detects endogenous levels of ApoA5 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 41kd WB: 1:500-2000

Western blot analysis using ApoA5 mouse mAb against human serum (1) and ApoA5 recombinant protein (2).

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- 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.