

ApoA5 (2G1H11) Mouse mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H	Endogenous	41	Mouse IgG1	#Q6Q788	116519

Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

ApoA5 (2G1H11) Mouse mAb recognizes endogenous levels of total ApoA5 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a purified recombinant fragment of ApoA5 protein expressed in *E. Coli*.

Background

Apolipoproteins are plasma lipoproteins that function as transporters of lipids and cholesterol in the circulatory system. Chylomicrons are a fundamental class of apolipoproteins containing very low-density lipoproteins (VLDL), intermediate-density lipoproteins (IDL), low-density lipoproteins (LDL), and high-density lipoproteins (HDL) (1,2). Apolipoprotein A5 (ApoA5) is an HDL that plays a role in the maintenance of lipid homeostasis by promoting plasma triglyceride hydrolysis (3,4). Research evidence suggests that ApoA5 may play a role in the early phases of hepatic regeneration (4).

Background References

1. Kwiterovich, P.O. (2000) *Am J Cardiol* 86, 5L-10L.
2. Hussain, M.M. (2000) *Atherosclerosis* 148, 1-15.
3. Beckstead, J.A. et al. (2003) *Biochemistry* 42, 9416-23.
4. van der Vliet, H.N. et al. (2001) *J Biol Chem* 276, 44512-20.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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