

ApoA1 (5F4) Mouse mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	25	Mouse IgG1	#P02647	335

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

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

ApoA1 (5F4) Mouse mAb detects endogenous level of total ApoA1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a full-length recombinant human ApoA1.

Background

ApoAI (Apolipoprotein A1) is a major component of high density lipoprotein (HDL, the "good cholesterol") in plasma. It is produced in the liver and small intestine. ApoA1 is a cofactor for lecithin cholesterolacyltransferase (LCAT) that is responsible for the formation of plasma cholesteryl esters and promotes cholesterol efflux from tissues to the liver for excretion. Defects in ApoA1 are associated with high density lipoprotein deficiency (HDL) and systemic non-neuropathic amyloidosis (1-3).

Background References

1. Calabresi, L. and Franceschini, G. (1997) *Curr Opin Lipidol* 8, 219-24.
2. Miller, M. and Zhan, M. (2004) *Curr Opin Cardiol* 19, 380-4.
3. Sviridov, D. and Nestel, P.J. (2007) *Curr Opin Lipidol* 18, 157-63.

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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