



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Store at -20C
#3350

ApoA1 (5F4) Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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