

Product datasheet for **AM39003PU-S**

Apolipoprotein A I (APOA1) (25-267) Mouse Monoclonal Antibody [Clone ID: AT1E12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1E12
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot: (1/500-1/5,000).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human APOA1 (25-267aa) purified from E. coli
Specificity:	The antibody recognizes Human APOA1. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein A1
Database Link:	Entrez Gene 335 Human P02647



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Background:

Apolipoprotein A1 (APOA1) is the main protein component of high density lipoprotein (HDL) in plasma. This protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in APOA1 are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. High level of APOA1 is regarded as protective against atherosclerosis and cardiovascular disease.

Synonyms:

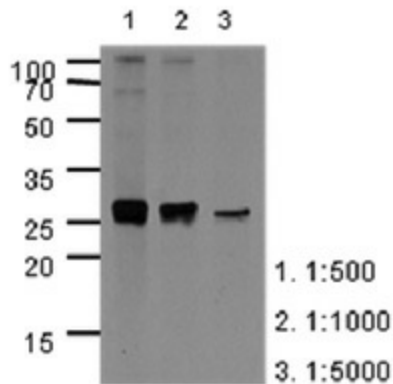
APOA1, ApoA-I, Apo-AI, ApoAI

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

PPAR signaling pathway

Product images:

Western blot analysis: The extracts of HepG2 (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human APOA1 (1/500 ~ 1/5,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.