

AM39003PU-N**Monoclonal Antibody to Apolipoprotein A I / APO AI (25-267) - Purified**

Alternate names:	APOA1, Apo-AI, ApoA-I, ApoAI
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
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.
Uniprot ID:	P02647
NCBI:	NP_000030
GeneID:	335
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	AT1E12
Immunogen:	Recombinant human APOA1 (25-267aa) purified from E. coli
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot: (1/500-1/5,000). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes Human APOA1. Other species not tested.
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. Shelf life: one year from despatch.
General Readings:	Dastani Z, et al. (March 2006). Atherosclerosis 185 (1): 127–36. Chiesa G, Sirtori CR (2003). Curr. Opin. Lipidol. 14 (2): 159–63.

Pictures:

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.

