

## Product datasheet for **AM00801PU-N**

### Apolipoprotein A I (APOA1) Mouse Monoclonal Antibody [Clone ID: 057-16001]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	057-16001
Applications:	ELISA, R
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human High Density Lipoprotein.
Specificity:	This antibody recognizes Apolipoprotein A I. This product does not cross react with Apo All or Apo B in competitive RIA.
Formulation:	10mM Phosphate, pH 7.4 containing 150mM Sodium Chloride and 0.09% Sodium Azide State: Purified State: Liquid (0.2µm filtered) purified IgG fraction (>90% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. If aliquoted for long term storage, fill volume should be equal to or greater than 50% of the nominal fill volume of the vial used. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	apolipoprotein A1
Database Link:	<a href="#">Entrez Gene 335 Human P02647</a>



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**Background:**

Apolipoprotein A I promotes cholesterol efflux from tissues to the liver for excretion. Apolipoprotein A I is the major protein component of high density lipoprotein (HDL) in the plasma. Synthesized in the liver and small intestine, it consists of two identical chains of 77 amino acids; an 18 amino acid signal peptide is removed co-translationally and a 6 amino acid propeptide is cleaved post-translationally. Apolipoprotein A I is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the Apolipoprotein A I gene are associated with HDL deficiency and Tangier disease.

The therapeutic potential of apoA-I has been recently assessed in patients with acute coronary syndromes, using a recombinant form of a naturally occurring variant of apoA-I. The availability of recombinant normal apoA-I should facilitate further investigation into the potential usefulness of apoA-I in preventing atherosclerotic vascular diseases.

**Synonyms:**

APOA1, ApoA-I, Apo-AI, ApoAI

**Note:**

Centrifuge before opening to ensure complete recovery of vial contents.