

**AM00800PU-N****Monoclonal Antibody to Apolipoprotein A I / APO AI - Purified**

<b>Alternate names:</b>	APOA1, Apo-AI, ApoA-I, ApoAI
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	5.3 mg/ml (OD280nm, E0.1% = 1.4)
<b>Background:</b>	<p>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.</p>
<b>Uniprot ID:</b>	<a href="#">P02647</a>
<b>NCBI:</b>	<a href="#">NP_000030.1</a>
<b>GenID:</b>	<a href="#">335</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Recommended Isotype Controls:</b>	AM03096PU-N
<b>Clone:</b>	057-10029
<b>Immunogen:</b>	Human high density lipoprotein
<b>Format:</b>	<b>State:</b> Liquid purified IgG (0.2µm filtered) <b>Purification:</b> >90% pure (SDS-PAGE). Protein A chromatography <b>Buffer System:</b> 10mM Phosphate, pH 7.4 containing 150mM Sodium chloride and 0,09% sodium azide
<b>Applications:</b>	This clone has been reported to be suitable for Immunohistochemistry on Paraffin Sections, Radioimmunoassay (RIA) and ELISA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes Apolipoprotein A I. This antibody does not cross react with Apo All or Apo B in competitive RIA. <b>Species:</b> Human. Other species not tested. <b>Affinity Constant:</b> 5 x 10e6 L/m (determined by RIA followed by Scatchard plot analysis)

**Add. Information:**

Centrifuge before opening to ensure complete recovery of vial contents.

**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.

Shelf life: one year from despatch.