

32-5726: Mouse Anti Human Apolipoprotein A-I(Clone: PAT1E12.)

Clonality :	Monoclonal
Clone Name :	PAT1E12.
Application :	ELISA, WB
Gene :	APOA1
Gene ID :	335
Uniprot ID :	P02647
Format :	Purified
Alternative Name :	Apolipoprotein A-I, Apo-AI, ApoA-I, APOA1, MGC117399.
Isotype :	Mouse IgG2a heavy chain and k light chain.
Immunogen Information :	Anti-human APOA1, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human APOA1 amino acids 25-267 purified from E. coli.

Description

APOA1 (Apolipoprotein A-1) is a human protein with a specific role in lipid metabolism being the main protein component of HDL in the plasma. APOA1 promotes cholesterol efflux from tissues to the liver for excretion. Furthermore, APOA1 is a cofactor for LCAT, which is responsible for the formation of most plasma cholesteryl esters. In addition, APOA1 activates spermatozoa motility as part of the SPAP complex. The APOA1 gene is strongly linked with two other apolipoprotein genes on chromosome 11. Defects in the APOA1 gene are linked to HDL deficiency including Tangier disease, and with systemic non-neuropathic amyloidosis. High levels of APOA1 are linked to the manifestation of asthma and atopy.

Product Info

Amount :	20 µg
Purification :	APOA1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500~1:5000. Recommended staining dilution is 1:1000.