

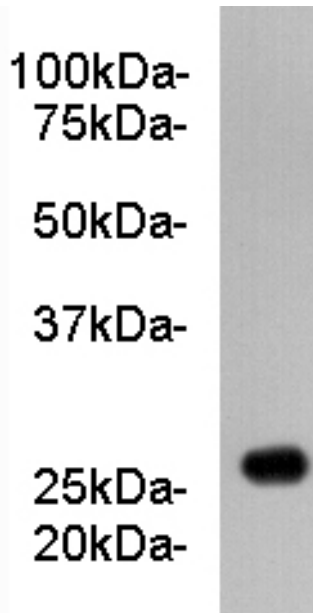


## Apolipoprotein A1 Antibody

E8M0809-13

- Catalog Number:** E8M0809-13
- Amount:** 100ul,0.51mg/ml
- Description:** Apolipoprotein A-I is the major protein component of high density lipoprotein (HDL) in plasma encoded by the *APOA1* gene. It is also found in chylomicrons and synthesized in the liver and small intestine. It participates in the reverse transport of cholesterol from tissues to the liver for excretion by promoting cholesterol efflux from tissues and by acting as a cofactor for the lecithin cholesterol acyltransferase (LCAT). Defects in APOA1 are a cause of high density lipoprotein deficiency type 2 (HDL2) also known as familial hypoalphalipoproteinemia (FHA). Defects in APOA1 are also a cause of the low HDL levels observed in high density lipoprotein deficiency type 1 (HDL1).
- Clone No:** B5-F11
- Reactivity:** Human
- Positive control:** Human Liver
- Cellular Localization :** Secretory protein
- SwissProt:** P02647
- Project ID:** M080907
- Molecular Wt:** 28kDa
- Form of Antibody:** Mouse monoclonal IgG1 in 1\*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
- Storage/Stability:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
- Specificity/Sensitivity:** This antibody is produced by immunizing mouse with a synthetic peptide (KLH-coupled) corresponding to residues of Apo A1.
- Applications:** WB: 1:500-1:1000
- References:**
1. "Gene structure of human apolipoprotein A1." Shoulders C.C., Kornbliht A.R., Munro B.S., Baralle F.E. *Nucleic Acids Res.* 11:2827-2837(1983)
  2. "The preferential site of non-enzymatic glycation of human apolipoprotein A-I in vivo." Calvo C., Ulloa N., Campos M., Verdugo C., Ayrault-Jarrier M. *Clin. Chim. Acta* 217:193-198(1993)
  3. "Novel mass spectrometric immunoassays for the rapid structural characterization of plasma apolipoproteins." Niederkofler E.E., Tubbs K.A., Kiernan U.A., Nedelkov D., Nelson R.W.J. *Lipid Res.* 44:630-639(2003)

**For Research Use Only**



**Fig:** Western blot analysis on human liver using anti-Apo A1 monoclonal antibody.