

## Product datasheet for **TA383738**

### Apolipoprotein A I (APOA1) Mouse Monoclonal Antibody [Clone ID: 2D6-3B2-7C2]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | 2D6-3B2-7C2  |
| Applications:           | WB   |
| Recommended Dilution:   | WB: 1/500-1/2000   |
| Reactivity:             | Human  |
| Host:                   | Mouse  |
| Isotype:                | IgG1   |
| Clonality:              | Monoclonal   |
| Immunogen:              | Purified recombinant fragment of human APOA1 expressed in E. Coli.                       |
| Formulation:            | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.           |
| Concentration:          | lot specific   |
| Purification:           | Ascitic Fluid  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Stability:              | 1 year   |
| Predicted Protein Size: | 25kDa  |
| Gene Name:              | apolipoprotein A1  |
| Database Link:          | <a href="#">Entrez Gene 335 Human P02647</a>   |

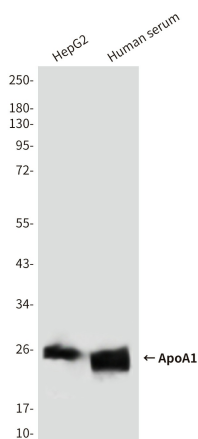
**Background:** Swiss-Prot Acc.P02647.APOA1: apolipoprotein A-I, it is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in 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.



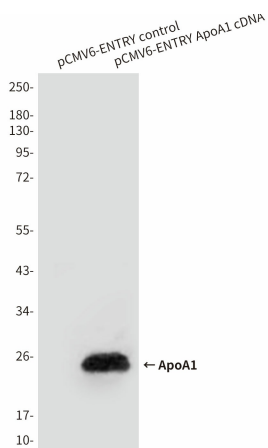
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Synonyms: Apo-AI; ApoA-I; MGC117399; OTTHUMP00000069346; OTTHUMP00000069347; OTTHUMP00000069348

## Product images:



Western blot analysis of ApoA1 (2D6) in HepG2 and Human serum lysates using ApoA1 (2D6) antibody.



Western blot analysis of ApoA1 (2D6) in HEK293T cells transfected with the pCMV6ENTRY control and pCMV6ENTRY APOA1 cDNA using ApoA1 (2D6) antibody.