DATA SHEET

Polyclonal Antibody to Apolipoprotein AI (APO AI)- Serum

Alternate names: APOA1, ApoA-I, Apo-AI, ApoAI
Catalog No.: BP2048
Quantity: 1 ml
Concentration: Not determined, Titer is 1:200 (RID)
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.
Uniprot ID: Q9Z2L4
Host / Isotype: Rabbit
Immunogen: Purified Hamster Apolipoprotein AI from Hamster plasma high density lipoprotein
Format: State: Liquid neat serum (heat inactivated,0.22 µm filtered) containing 0.05% Sodium Azide, 100 U/ml Penicillin, 10 µg/ml Streptomycin, 25 ng/ml Amphotericin B as preservative.
Applications: Radial Immunodiffusion assay.
Immuno Double-Diffusion.
Rocket IEP.
Western blot.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity: This antibody reacts with Apolipoprotein AI.
Species: Hamster. Extremely low recognition of Human Apo AI.
Others not tested.
Storage: Upon receipt, aliquot and store at -20 to -70°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.
For research and in vitro use only. Not for diagnostic or therapeutic work.

Gentaur Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium