9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-6549: SAA Human

Application :	Functional Assay
Alternative Name :	Serum amyloid A protein which is a member of the SAA family is encoded by the SAA gene in humans. SAA is expressed by the liver and secreted in plasma. Serum amyloid A is the main acute phase reactant and apolipoprotein of the HDL complex. Elevated serum SAA protein levels may be linked with lung cancer. The level of Apo-SAA, which is ordinarily 1-5 g/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL Apolipoprotein.

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
Serum amyloid A protein which is a member of the SAA family is encoded by the SAA gene in humans. SAA is expressed by the liver and secreted in plasma. Serum amyloid A is the main acute phase reactant and apolipoprotein of the HDL complex. Elevated serum SAA protein levels may be linked with lung cancer. The level of Apo-SAA, which is ordinarily 1-5 g/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL Apolipoprotein.
APO-SAA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 104 amino acids and having a molecular mass of 11.7kDa. Recombinant Apo-SAA is a consensus SAA molecule corresponding to human Apo-SAA1a, except for the presence of an N-terminal methionine, the substitution of asparagine for aspartic acid at position 60, and arginine for histidine at position 71 (the latter two substituted residues are present in Apo-SAA2b).The Human APO-SAA is purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 50 µg
Purification :	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	Human SAA was lyophilized from a concentrated (1mg/ml) solution in 20mM Tris-HCl, pH 9.0 and 150mM NaCl. It is recommended to reconstitute the lyophilized SAA Human in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized Human SAA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Human SAA should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	RSFFSFLGEA FDGARDMWRA YSDMREANYI GSDKYFHARG NYDAAKRGPG GVWAAEAISN ARENIQRFFG RGAEDSLADQ AANEWGRSGK DPNHFRPAGL PEKY.

Application Note

The biological activity determined by its ability to down-regulate lipid biosynthesis in aortic smooth muscle cells. The effective concentration was found to be 4Ã‚ÂµM.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.