

Human Serum Amyloid A protein (SAA) (Apo-SAA1)

Alternate names:	SAA1, SAA2
Catalog No.:	AR31004PU-S
Quantity:	10 µg
Background:	Serum amyloid A proteins (SAA) represents a family of apolipoproteins that circulates in association with high-density lipoproteins (HDL). The level of apo-SAA, normally 1-5 µg/ml in plasma, increases 500-1000 fold within 24 hours of an inflammatory stimulus and, under these conditions, is the most abundant HDL apo-lipoprotein. The human SAA gene codes for a 122 amino acid nonglycosylated polypeptide, which contains an 18 amino acid N-terminal sequence.
Uniprot ID:	P02735
NCBI:	NP_000322
GenelD:	6288
Species:	Human
Source:	E. coli
Format:	<p>State: Lyophilized purified protein</p> <p>Purity: >98% pure by SDS-PAGE and HPLC analyses</p> <p>Buffer System: 5mM Tris, pH 8.6</p> <p>Endotoxin Level: < 0.1 ng per µg (1EU/µg)</p> <p>Reconstitution: Restore in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 2-8°C for 1 week or -20°C for future use.</p>
Description:	<p>Recombinant Human apo-SAA1 is an 11.7 kDa protein containing 105 amino acid residues.</p> <p>AA Sequence: MRSFFSFLGE AFDGARDMWR AYSDMREANY IGSKYFHR GNYDAAKGRP GGVWAAEAI S DARENIQRF F GHGAEDSLAD QAANEWGRSG KDPNHFRPAG LPEKY</p> <p>Biological Activity: Determined by its ability to chemoattract Human monocytes using a concentration range of 10.0-100.0 ng/ml.</p> <p>Molecular weight: 11.7 kDa (105 aa)</p>
Add. Information:	Centrifuge the vial prior to opening!
Storage:	<p>Store the lyophilized protein at -20°C.</p> <p>Reconstituted Apo-SAA1 should be stored in working aliquots with a carrier protein at -20°C.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>