

Serum Amyloid A (APO-SAA1) Rhesus Macaque Recombinant

Item Number	rAP-0734
Synonyms	Serum amyloid A protein, SAA, Amyloid protein A, Amyloid fibril protein AA, SAA1, SAA2, PIG4, TP5314, MGC111216.
Description	SAA1 monkey Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 104 amino acids and having a total molecular mass of 11.8 kDa. SAA1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P02738
Amino Acid Sequence	RSWFSFLGEA YDGARDMWRA YSDMKEANYK NSDKYFHARG NYDAAQRGPG GVWAAEVID AR-ENIQKLLG RGAEDTLADQ AANEWGRSGK DPNHFRPAGL PEKY.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SAA1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SAA1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Formulation and Purity	The protein was lyophilized with 1x PBS pH-7.4 Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized SAA1 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**