

Recombinant Monkey Serum Amyloid A1

Cat. No. SAA1-4941M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Monkey SAA1 is a 11.8 kDa homodimeric protein consisting of a single, non-glycosylated, polypeptide chain containing 104 amino acids.
Species	Monkey
Source	E.coli
Description	SAA1 protein is an acute phase apolipoprotein reactant which is produced mostly by hepatocytes and under regulation of inflammatory cytokines. SAA1 (Serum amyloid A1) protein is produced mainly in the liver and circulates in low levels in the blood. The SAA1 seems to have a role in the immune system. SAA1 protein levels increase in the blood and other tissues under conditions of inflammation.
Biological Activity	Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.
Molecular Weight	11.8 kDa
Form	Lyophilized from a sterile filtered solution containing PBS pH 7.4.
Appearance	Lyophilized protein
Sequence	RSWFSFLGEA YDGARDMWRA YSDMKEANYK NSDKYFHARG NYDAAQRGPG GVWAAEVIDS ARENIQKLLG RGAEDTLADQ AANEWGRSGK DPNHFRPAGL PEKY

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Reconstitution	Reconstitute in sterile ddH ₂ O to a concentration ≥ 100 µg/ml. This solution can then be diluted into other aqueous buffers.
Purity	$\geq 97\%$ by SDS-PAGE and $\geq 97\%$ by HPLC
Storage	The lyophilized protein is best-stored desiccated at -20°C. Reconstituted monkey SAA1 should be stored at 4°C for 2-7 days and at -20°C for future use. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	SAA1 serum amyloid A1 [<i>Macaca mulatta</i>]
Official Symbol	SAA1
Synonyms	SAA1; serum amyloid A1
Gene ID	694827
UniProt ID	P02738
Chromosome Location	14

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