

Active Human SAA Reference Standard

Cat. No. SAA1-23H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	<p>Serum amyloid A1(SAA1) protein is made primarily in the liver and circulates in low levels in the blood. This protein appears to play a role in the immune system. Levels of this protein increase in the blood and other tissues under conditions of inflammation. SAA1 may help repair damaged tissues, acts as an antibacterial agent, and signal the migration of germ-fighting cells to sites of infection. Elevated levels of SAA over time predispose secondary amyloidosis, extracellular accumulation of amyloid fibrils, derived from a circulating precursor, in various tissues and organs. The most common form of amyloidosis occurs secondary to chronic inflammatory disease, particularly rheumatoid arthritis.</p>
Form	Liquid
Bio-activity	The level of SAA in the serum was quantified using ELISA.
Usage	For research use only, not for diagnostic or therapeutic use.
Quality Control Test	Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.
Storage	Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.
Concentration	38 ng/ml

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Preservative 0.1% sodium azide

GENE INFORMATION

Gene Name [SAA1 serum amyloid A1 \[Homo sapiens \]](#)

Official Symbol SAA1

Synonyms SAA1; serum amyloid A1; SAA; serum amyloid A protein; PIG4; TP53I4; tumor protein p53 inducible protein 4; SAA2; MGC111216;

Gene ID [6288](#)

mRNA Refseq [NM_000331](#)

Protein Refseq [NP_000322](#)

MIM [104750](#)

UniProt ID [P02735](#)

Chromosome Location 11p15.1

Pathway Activated TLR4 signalling, organism-specific biosystem; Advanced glycosylation endproduct receptor signaling, organism-specific biosystem; Amyloids, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Disease, organism-specific biosystem;

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Function

G-protein coupled receptor binding;

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