

Serum Amyloid A ELISA Kit | SAA elisa kit

Serum Amyloid A (SAA) - Second Generation

CATALOG #
AAA77880

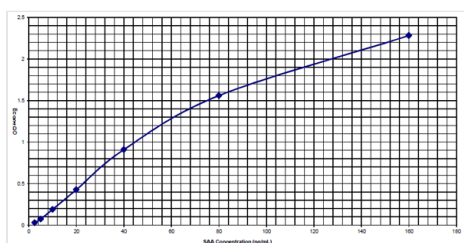
PRODUCT SYNONYMS

Serum Amyloid A; Serum Amyloid A (SAA) - Second Generation; SAA elisa kit

PRODUCT SPECIFICATIONS

Specificity	This ELISA recognises both natural and recombinant human SAA. This kit exhibits no detectable cross-reactivity with human; IL-8, IL-1beta, MCAF, FGF, TGF-beta, EGF, GMCSF, M-CSF, MCP-3, TNF-alpha, RANTES, and EPO.
Sequence Length	129
Samples	Serum, plasma, and other biological fluids
Assay Type	Sandwich
Sensitivity	The minimum detectable dose of SAA was determined by adding two standard deviations to the mean optical density value of 18 zero standard replicates and calculating the corresponding concentration from the standard curve. The minimum detectable dose of human SAA using a standard curve generated with Calibrator Diluent I is 1.1ng/mL.
Intra-assay Precision	To determine within-run precision, two diluted samples of known concentration were assayed by measuring 8 replicates in 1 assay.
Inter-assay Precision	To determine between-run precision, two diluted samples of known concentration were measured in 8 different assays.
Intended Uses	This Human SAA ELISA Kit is to be used for the in vitro quantitative determination of human serum amyloid A (SAA) concentrations in serum, plasma, and other biological fluids. This kit is intended FOR LABORTORY RESEARCH USE ONLY and is not for use in therapeutic procedures.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAA elisa kit	Principle of the assay: This SAA enzyme-linked immunosorbent assay (ELISA) applies a technique called quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for SAA. Standards or samples are then added to the appropriate microtiter plate wells and incubated. SAA, if present, will bind and become immobilized by the antibody pre-coated on the wells. The microtiter plate wells are thoroughly washed to remove any unbound SAA and other components of sample. In order to quantitate the amount of SAA present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated monoclonal antibody specific for SAA is added to each well to "sandwich" the SAA immobilized during the first incubation. The microtiter plate then undergoes a second incubation. The wells are thoroughly washed to remove all unbound HRP-conjugated antibodies and a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. The enzyme (HRP) and substrate solution are allowed to react over a short incubation period. Only those wells that contain SAA and enzyme-substrate reaction will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the colour change measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. In order to measure the concentration of SAA in the samples, the provided standard is diluted (2-fold) with the appropriate Calibrator Diluent and assayed at the same time as the samples. This allows the operator to produce a standard curve of Optical Density (O.D) versus SAA (ng/mL). The concentration of SAA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SAA elisa kit	ELISA Kits for Human Inflammatory and Autoimmune Conditions

NCBI AND UNIPROT INFORMATION

NCBI GI #	93352563
NCBI GeneID	678660
NCBI Accession #	NP_001035288.1
NCBI GenBank Nucleotide #	NM_001040198.1
NCBI Official Full Name	serum amyloid A protein
NCBI Official Symbol	SAA1
NCBI Official Synonym Symbols	SAA
NCBI Protein Information	serum amyloid A protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/saa-elisa-kits/serum-amyloid-a/77880>