

Human SAA/SAA1 ELISA Kit | SAA1 elisa kit

Human SAA/SAA1 PicoKine ELISA Kit

CATALOG #
AAA46706

REACTIVITY
Human

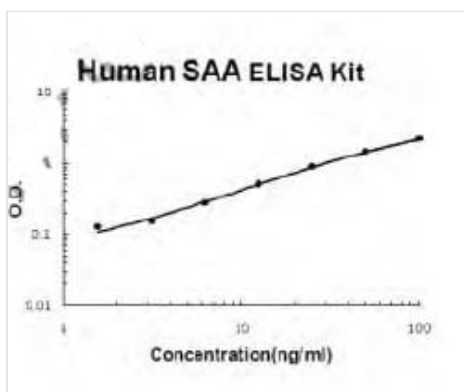
PRODUCT SYNONYMS

SAA/SAA1; Human SAA/SAA1 PicoKine ELISA Kit; SAA; saa 1; SAA1; Serum amyloid A 1 protein; Serum amyloid A protein precursor; P0DJ18; Serum amyloid A-1 protein; serum amyloid A1; SAA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human SAA/SAA1
Sequence Length	122
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	1.56ng/ml-100ng/ml
Sensitivity	<150pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAA1 elisa kit	Principle of the Assay: Human SAA/SAA1 ELISA Kit was based on standard sandwich enzyme-linked immunosorbent assay technology. A monoclonal antibody from mouse specific for SAA/SAA1 has been precoated onto 96-well plates. Standards(Expression system for standard: E.coli; Immunogen sequence: S20-Y122) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for SAA/SAA1 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human SAA/SAA1 amount of sample captured in plate. Background/Introduction: Serum amyloid A protein (SAA), also known as SAA1, is a protein that in humans is encoded by the SAA1 gene. This gene encodes a member of the serum amyloid A family of apolipoproteins. It is mapped to 11p15.1. SAA is a major acute phase protein that is highly expressed in response to inflammation and tissue injury. This protein also plays an important role in HDL metabolism and cholesterol homeostasis. High levels of this protein are associated with chronic inflammatory diseases including atherosclerosis, rheumatoid arthritis, Alzheimer's disease and Crohn's disease.This protein may also be a potential biomarker for certain tumors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40316912
NCBI GeneID	6288
NCBI Accession #	NP_000322.2
NCBI GenBank Nucleotide #	NM_000331.5
UniProt Accession #	P0DJ18; P02735; P02736; P02737; Q16730; Q16834; Q16835; Q16879; Q3KRB3; Q6FG67; Q96QN0; Q9UCK9
Molecular Weight	13,532 Da
NCBI Official Full Name	serum amyloid A-1 protein preproprotein
NCBI Official Synonym Full Names	serum amyloid A1
NCBI Official Symbol	SAA1
NCBI Official Synonym Symbols	SAA; PIG4; SAA2; TP53I4
NCBI Protein Information	serum amyloid A-1 protein
UniProt Protein Name	Serum amyloid A-1 protein
UniProt Gene Name	SAA1
UniProt Synonym Gene Names	SAA
UniProt Entry Name	SAA1_HUMAN

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.