

Product datasheet for **EA200018**

Human Serum Amyloid A (SAA1) ELISA Kit 1 x 96

Product data:

Product Type:	ELISA Kits
Description:	Human SAA1 ELISA Kit for the detection of Human SAA1 in serum, plasma, and other biological fluids.
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich ELISA kit of Quantitative Detection for Human SAA1
Assay Length:	4.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	3.125ng/ml-200ng/ml
Sample Type:	Human serum, plasma and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of Human SAA1
Sensitivity:	0.3ng/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none">• SAA1 Antibody Coated 96-well Plate in foil pouch with desiccant 1 plate• Recombinant Human SAA1 Standard (10µg/ml) 0.1 mL• 100x Biotin conjugated SAA1 Detection Antibody 0.12 mL• 100x Streptavidin-HRP 0.12 mL• Detection Antibody Diluent 12 mL• Assay Buffer 12 mL• Sample Diluent 30 mL• Wash Buffer Concentrate 20X 60 mL• TMB Substrate 12 mL• Stop Solution 12 mL• Plate Sealer 3 pieces



[View online »](#)

Background:

Serum amyloid A1 (SAA1) is a major acute-phase protein mainly produced by hepatocytes in response to infection, tissue injury and malignancy. When released into blood circulation, SAA1 is present as an apolipoprotein associated with high-density lipoprotein (HDL). SAA1 is a major precursor of amyloid A (AA), the deposit of which leads to inflammatory amyloidosis. Mature SAA1 consists of 104 amino acids with an apparent molecular weight of 12,500. Native SAA1 is a hexamer with each subunit assuming an antiparallel 4-helix bundle structure. Inflammatory cytokines such as IL-1 β , IL-6 and TNF- α are major stimulants for hepatocyte expression of the SAA1 gene. SAA1 has been a clinical indicator and reliable biomarker for inflammatory diseases, chronic metabolic disorders and late-stage malignancy.

Gene Symbol:

SAA1

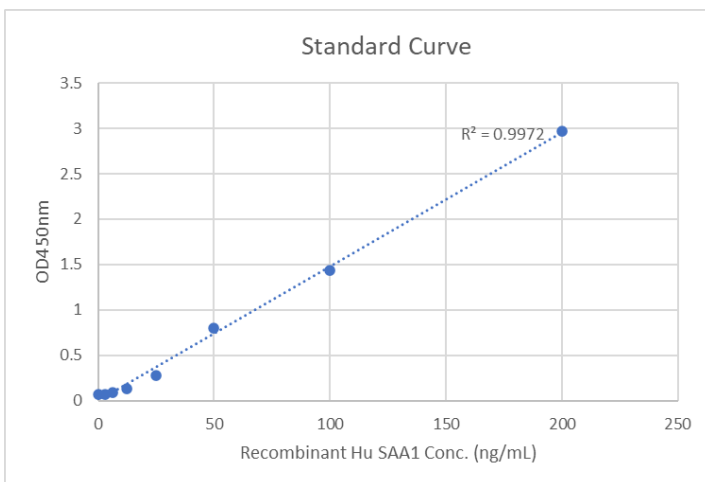
Gene ID:

6288

Standard Curve:

□

Serum Amyloid A (SAA1) ELISA Kit data image.

Product images:

Serum Amyloid A (SAA1) ELISA Kit data image.