

ARG82972 Human Serum Amyloid A ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82972 Human Serum Amyloid A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Serum Amyloid A in serum, plasma, cell culture supernatant samples.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Cross-Reactivity: Not reacts with Mouse Serum Amyloid A1, and the kit cross-reacts with Human Serum Amyloid A2
Target Name	Serum Amyloid A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	2-104; 2-103; 2-102; Serum Amyloid A-1 protein; TP53I4; SAA; Amyloid fibril protein AA; SAA2; PIG4; 4-101; 3-104

Application Instructions

Assay Time	~ 4 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SAA1
Gene Full Name	Serum Amyloid A1
Background	This gene encodes a member of the Serum Amyloid A family of apolipoproteins. The encoded protein 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. Alternate splicing results in multiple transcript variants that encode the same protein. A pseudogene of this gene is found on chromosome 11.[provided by RefSeq, Jun 2012]

Function Major acute phase protein. [UniProt]

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PTM This protein is the precursor of amyloid protein A, which is formed by the removal of approximately 24 residues from the C-terminal end. [UniProt]