

ARG81841 Mouse serum Amyloid A ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81841-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81841-002	Standard	2 X 100 ng/vial	4°C
ARG81841-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81841-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81841-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81841-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81841-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81841-008	25X Wash buffer	20 ml	4°C
ARG81841-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81841-010	STOP solution	10 ml (Ready to use)	4°C
ARG81841-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81841 Mouse serum Amyloid A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse serum Amyloid A in serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	serum Amyloid A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.78 ng/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	1.56 - 100 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.1%
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

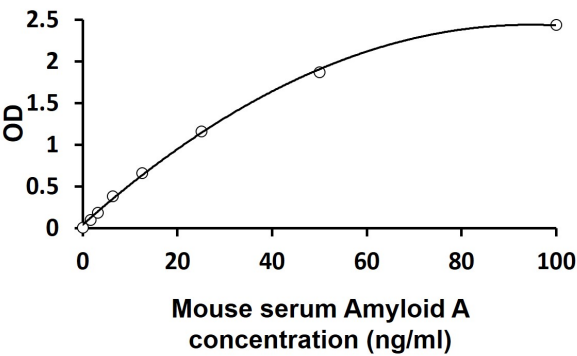
Assay Time	~ 5 hours
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Properties

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]
Highlight	Related products: Serum amyloid A antibodies ; Serum amyloid A ELISA Kits ; Serum amyloid A Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
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]



ARG81841 Mouse serum Amyloid A ELISA Kit standard curve image

ARG81841 Mouse serum Amyloid A ELISA Kit results of a typical standard run with optical density reading at 450 nm.