

## ARG81848 Rat Serum amyloid P-component ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81848-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81848-002	Standard	2 X 100 ng/vial	4°C
ARG81848-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81848-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81848-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81848-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81848-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81848-008	25X Wash buffer	20 ml	4°C
ARG81848-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81848-010	STOP solution	10 ml (Ready to use)	4°C
ARG81848-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81848 Rat Serum amyloid P-component ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat Serum amyloid P-component in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Serum amyloid P component
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.0%; Inter-Assay CV: 5.8%
Alternate Names	9.5S alpha-1-glycoprotein; HEL-S-92n; PTX2; Serum amyloid P-component; 1-203; SAP

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

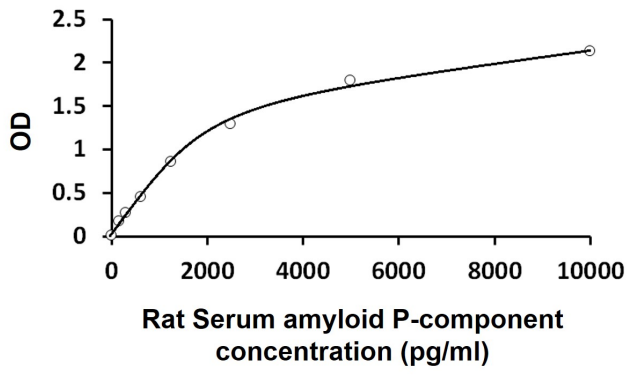
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail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

## Bioinformation

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Gene Symbol	APCS
Gene Full Name	amyloid P component, serum
Background	The protein encoded by this gene is a glycoprotein, belonging to the pentraxin family of proteins, which has a characteristic pentameric organization. These family members have considerable sequence homology which is thought to be the result of gene duplication. The binding of the encoded protein to proteins in the pathological amyloid cross-beta fold suggests its possible role as a chaperone. This protein is also thought to control the degradation of chromatin. It has been demonstrated that this protein binds to apoptotic cells at an early stage, which raises the possibility that it is involved in dealing with apoptotic cells in vivo. [provided by RefSeq, Sep 2008]
Function	Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. May also function as a calcium-dependent lectin. [UniProt]
Highlight	Related products: <a href="#">Serum amyloid P component antibodies</a> ; <a href="#">Serum amyloid P component ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	N-glycosylated with a complex biantennary oligosaccharide chain with a sialic acid at the end (disialo-SAP). Monosialo-SAP as well as asialo-SAP are also detected (PubMed:15174148). [UniProt]



ARG81848 Rat Serum amyloid P-component ELISA Kit standard curve image

ARG81848 Rat Serum amyloid P-component ELISA Kit results of a typical standard run with optical density reading at 450 nm.