

## ARG82682 Mouse C Reactive Protein ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82682 Mouse C Reactive Protein ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse C Reactive Protein in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	Not react with Human, Pig and Rat C Reactive Protein. Not react with Mouse Pentraxin 2, Fcγ RI, Fcγ RIIB and Leptin.
Target Name	C Reactive Protein
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	11.7 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	23.44 - 1500 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	1-205; PTX1; C-reactive protein

### Application Instructions

Assay Time	~ 3.5 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	CRP
Gene Full Name	C-reactive protein, pentraxin-related
Background	The protein encoded by this gene belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to

tissue injury, infection, or other inflammatory stimuli. [provided by RefSeq, Sep 2009]

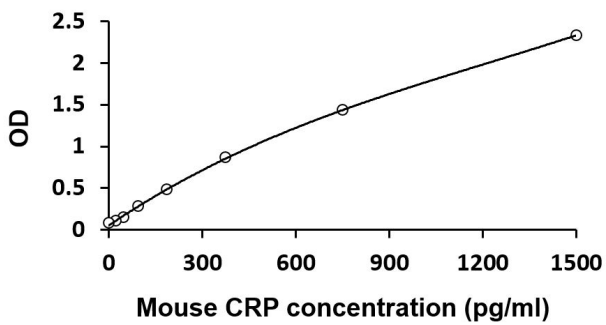
**Function** Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. [UniProt]

**Highlight** Related products:  
[CRP antibodies](#); [CRP ELISA Kits](#); [CRP Duos / Panels](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**Cellular Localization** Secreted. [UniProt]

## Images

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ARG82682 Mouse C Reactive Protein ELISA Kit standard curve image

ARG82682 Mouse C Reactive Protein ELISA Kit results of a typical standard run with optical density reading at 450 nm.