

ARG81795 Rat C Reactive Protein ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81795-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81795-002	Standard	2 X 10 ng/vial	4°C
ARG81795-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81795-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81795-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81795-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81795-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81795-008	25X Wash buffer	20 ml	4°C
ARG81795-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81795-010	STOP solution	10 ml (Ready to use)	4°C
ARG81795-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81795 Rat C Reactive Protein ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat C Reactive Protein 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	C Reactive Protein
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: 5.6%; Inter-Assay CV: 6.5%
Alternate Names	1-205; PTX1; C-reactive protein

Application Instructions

Assay Time	~ 5 hours
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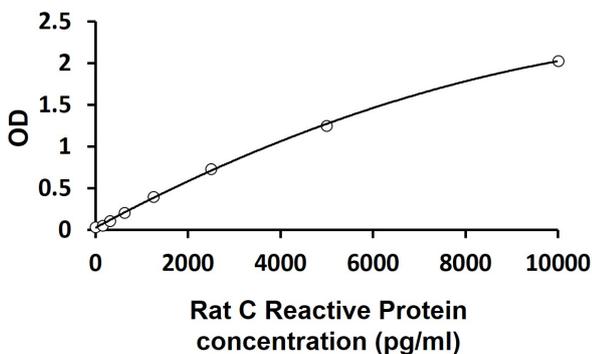
Properties

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	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: C Reactive Protein antibodies ; C Reactive Protein ELISA Kits ; C Reactive Protein Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81795 Rat C Reactive Protein ELISA Kit standard curve image

ARG81795 Rat C Reactive Protein ELISA Kit results of a typical standard run with optical density reading at 450 nm.