

ARG10641 anti-C Reactive Protein antibody [cCRP1]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [cCRP1] recognizes C Reactive Protein
Tested Reactivity	Dog
Tested Application	ELISA, FLISA, sELISA
Host	Mouse
Clonality	Monoclonal
Clone	cCRP1
Isotype	IgG1
Target Name	C Reactive Protein
Species	Dog
Immunogen	Dog C-reactive protein (whole molecule).
Conjugation	Un-conjugated
Alternate Names	PTX1; C-reactive protein

Application Instructions

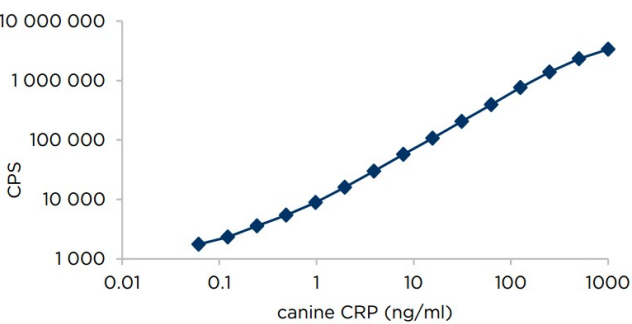
Application table	Application	Dilution
	ELISA	Assay-dependent
	FLISA	Assay-dependent
	sELISA	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4) and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

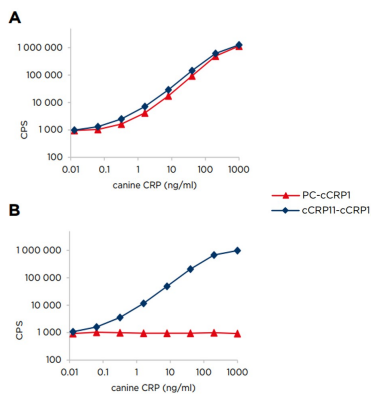
Gene Symbol	CRP
Gene Full Name	C-reactive protein, pentraxin-related
Background	The protein encoded by this gene belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their 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]
Calculated Mw	25 kDa

Images



ARG10641 anti-C Reactive Protein antibody [cCRP1] FLISA image

FLISA: Calibration curve of native cCRP in a sandwich fluoroimmunoassay. ARG10642 anti-C Reactive Protein antibody [cCRP11] and Eu3+ -labeled ARG10641 anti-C Reactive Protein antibody [cCRP1] were used as capture and detection antibodies respectively.



ARG10641 anti-C Reactive Protein antibody [cCRP1] sELISA image

Sandwich ELISA: Comparison of PC and ARG10642 anti-C Reactive Protein antibody [cCRP11] as capture molecules in the presence (A) or absence (B) of Ca2+ . PC was conjugated to BSA. Native cCRP was used as the antigen and Eu3+ labelled ARG10641 anti-C Reactive Protein antibody [cCRP1] as the detection antibody. The assay buffer was supplemented with 2 mM Ca2+ (A) or 5 mM EDTA (B).