

ARG82838 Canine C Reactive Protein ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG82838 Canine C Reactive Protein ELISA Kit is an Enzyme Immunoassay kit for the quantification of Canine C Reactive Protein in serum and plasma.
Tested Reactivity	Dog
Tested Application	ELISA
Specificity	The following recombinant canine proteins were tested and exhibited no cross-reactivity or interference: BMP1, BMP2, BMP4, HGF, IL1 beta, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL13, IL15, IFN gamma, MMP2, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TNF alpha, TNF RI, TNF RII, sIL2R, sIL6R and VEGF.
Target Name	C Reactive Protein
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	12.5 pg/ml
Sample Type	Serum and plasma.
Standard Range	25 - 1600 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 9.0%
Alternate Names	1-205; PTX1; C-reactive protein

Application Instructions

Assay Time	~ 3 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]

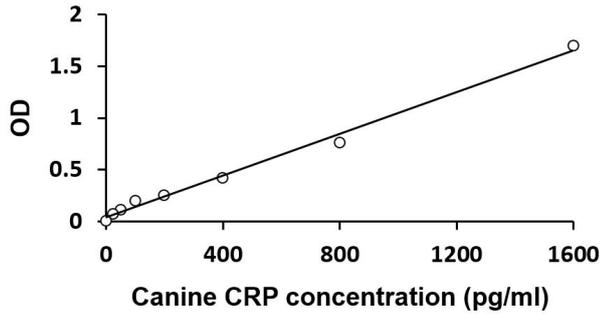
Function

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]

Cellular Localization

Secreted. [UniProt]

Images



ARG82838 Canine C Reactive Protein ELISA Kit standard curve image

ARG82838 Canine C Reactive Protein ELISA Kit results of a typical standard run with optical density reading at 450 nm.