

## Canine CRP Antibody Pair Set

**Catalog No.** E-KAB-0396  
**Synonyms** PTX1;Pentraxin 1

**Applications** ELISA

### Kit components & Storage

Title	Specifications	Storage
Canine CRP Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Canine CRP Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

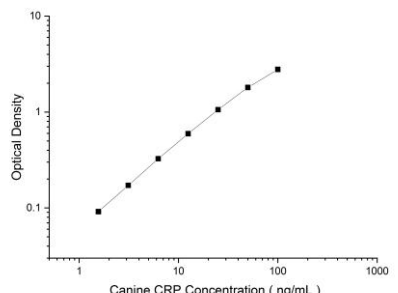
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0396)	
		Canine CRP Capture Antibody	Canine CRP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Natural Canine CRP protien	Natural Canine CRP protien
	Swissprot	T2KEN6	
Product details	Reactivity	Canine	Canine
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Canine CRP in ELISAs.	

## Applications

Canine CRP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Canine CRP Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Canine CRP Concentration ( ng/mL )' and ranges from 1 to 1000. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Canine CRP and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Canine CRP Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.1</td></tr> <tr><td>2</td><td>0.15</td></tr> <tr><td>5</td><td>0.3</td></tr> <tr><td>10</td><td>0.5</td></tr> <tr><td>20</td><td>0.8</td></tr> <tr><td>50</td><td>1.5</td></tr> <tr><td>100</td><td>2.5</td></tr> </tbody> </table>	Canine CRP Concentration (ng/mL)	Optical Density	1	0.1	2	0.15	5	0.3	10	0.5	20	0.8	50	1.5	100	2.5
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ELISA Detection	1:1000-1:10000	Canine CRP Detection Antibody (Biotin)																	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## 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.