

Datasheet: PDP005

**BATCH NUMBER 165880**

<b>Description:</b>	RECOMBINANT DOG C-REACTIVE PROTEIN
<b>Name:</b>	C-REACTIVE PROTEIN
<b>Other names:</b>	CRP
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Dog
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Preparation</b>	Purified by affinity chromatography
<b>Source</b>	Insect cell line
<b>Buffer Solution</b>	TRIS buffered saline, 2 mM CaCl <sub>2</sub>
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein</b>	0.1 mg/ml

## Concentrations

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### External Database

#### Links

#### UniProt:

[T2KEN6](#)

[Related reagents](#)

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### Product Information

**Recombinant Dog C-reactive Protein** is a 204 aa recombinant protein produced in a eukaryotic expression system.

C-reactive protein is an acute phase protein, produced by the liver, that is used as a marker of inflammation. Canine C-reactive protein (CRP), as with C-reactive protein in other species, forms a pentamer. Canine CRP differs from human CRP in that two of the subunits making up the pentamer are glycosylated.

This recombinant canine CRP is partially glycosylated, and while the pattern of glycosylation differs slightly from that of native canine CRP, SDS page analysis demonstrates that this recombinant canine CRP behaves in a similar way to the native protein. With similar biochemical properties to the native canine CRP, this reagent may be used as a standard in immunoassays for canine CRP.

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#### Protein Molecular Weight

114 kDa

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#### Purity

>95%

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#### Storage

Prior to reconstitution store at -20°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted.

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#### Guarantee

Guaranteed until date of expiry. Please see product label.

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#### Health And Safety Information

Material Safety Datasheet documentation #10583 available at:  
<https://www.bio-rad-antibodies.com/SDS/PDP005>  
10583

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#### Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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