

Datasheet: MCA6016GA

Description:	MOUSE ANTI DOG C-REACTIVE PROTEIN
Specificity:	C-REACTIVE PROTEIN
Other names:	CRP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	cCRP3
Isotype:	IgG2b
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting	▪			

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.

Target Species	Dog
Species Cross Reactivity	Does not react with: Human, Cat, Horse, Rabbit
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Canine C-reactive protein (whole molecule)
External Database Links	UniProt: T2KEN6 Related reagents
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cell line
Specificity	<p>Mouse anti Dog C-reactive protein, clone cCRP3, specifically recognizes canine C-reactive protein (CRP), a calcium-binding acute phase reactant belonging to the pentraxin family which is secreted into the plasma by the liver in response to cytokine stimulation.</p> <p>CRP belongs to an evolutionally conserved group of pentamer proteins whose function is the protection of an organism against harmful antigens, including invasive infectious agents from bacteria and viruses, and from pyometra and sepsis.</p> <p>Canine CRP is similar in structure to human CRP, however canine CRP differs in that two of the five subunits that make up CRP in dogs are glycosylated while normally none of the subunits making up human CRP are. As clone cCRP3 is specifically raised against dog, this antibody has an advantage over other antibodies raised against human that show cross reactivity with dog, as these cross reactive antibodies may not recognize the glycosylated subunits.</p> <p>Clone cCRP3 recognizes a linear epitope.</p>
ELISA	This product is suitable for use in direct and indirect ELISA applications.
Western Blotting	Clone cCRP3 has been demonstrated to label dog C-reactive protein in both reducing and non-reducing conditions
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6016GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

Recommended Positive Controls

[RECOMBINANT DOG C-REACTIVE PROTEIN \(PDP005\)](#)

Recommended Useful Reagents

[LYNX RAPID HRP ANTIBODY CONJUGATION KIT \(LNK002P\)](#)

[MOUSE ANTI DOG C-REACTIVE PROTEIN \(MCA6015GA\)](#)

[MOUSE ANTI DOG C-REACTIVE PROTEIN \(MCA6017GA\)](#)

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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
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