

## Datasheet: MCA6017GA

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | MOUSE ANTI DOG C-REACTIVE PROTEIN |
| <b>Specificity:</b>  | C-REACTIVE PROTEIN                |
| <b>Other names:</b>  | CRP                               |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | Monoclonal Antibody               |
| <b>Clone:</b>        | cCRP11                            |
| <b>Isotype:</b>      | IgG1                              |
| <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 |
|----------------------------|-----|----|----------------|--------------------|
| 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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Dog   |
| <b>Species Cross Reactivity</b>       | Does not react with: Human, Cat, Horse, Rabbit                |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                     |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                        |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml                                   |
| <b>Immunogen</b>                      | Canine C-reactive protein (whole molecule)                    |

|                                      |  |
|--------------------------------------|--|
| <b>External Database Links</b>       | <b>UniProt:</b><br><a href="#">T2KEN6</a> <a href="#">Related reagents</a>   |
| <b>Fusion Partners</b>               | Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0 myeloma cell line.  |
| <b>Specificity</b>                   | <p><b>Mouse anti Dog C-reactive protein, clone cCRP11</b>, 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 cCRP11 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 cCRP11 recognizes a different conformational epitope from clone cCRP1.</p> |
| <b>ELISA</b>                         | This product may be used as a capture antibody in a sandwich ELISA together with <a href="#">MCA6015GA</a> , when conjugated to HRP, as the detection reagent.   |
| <b>Storage</b>                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted.  |
| <b>Guarantee</b>                     | 18 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br>10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>   |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|   |   |
|---|---|
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>  |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>   |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>   |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>   |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>   |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> ,<br><a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

## **Recommended Positive Controls**

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

## **Recommended Useful Reagents**

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

[MOUSE ANTI DOG C-REACTIVE PROTEIN \(MCA6016GA\)](#)

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