

## Datasheet: 1707-0189G

<b>Description:</b>	GOAT ANTI HUMAN C-REACTIVE PROTEIN
<b>Specificity:</b>	C-REACTIVE PROTEIN
<b>Other names:</b>	CRP
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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	▪			1/1000
Immunodiffusion	▪			1/30 - 1/200

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** Human

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to human C-reactive protein were raised by repeated immunisations of goats with highly purified antigen. Purified IgG prepared by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 5.0mg/ml

**Immunogen** Native human C-reactive protein.

**External Database  
Links**

**UniProt:**

[P02741](#)    [Related reagents](#)

**Entrez Gene:**

[1401](#)    CRP    [Related reagents](#)

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**Synonyms**            PTX1

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**RRID**                AB\_2057775

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**Specificity**            **Goat anti Human C-reactive protein antibody** recognizes human 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.

In addition to binding to phosphocholine residues, CRP can bind to other autologous and extrinsic ligands on targets, including damaged cell membranes, ribonucleoprotein particles, apoptotic cells and constituents of micro-organisms, and may activate the classical complement pathway through C1q recognition, making CRP a factor in a variety of host defense mechanisms. Levels of plasma CRP are significantly increased during the acute phase response, tissue injury and infection and can be used diagnostically as a marker of inflammation, disease progress and risk assessment of cardiovascular disease.

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**References**            1. Günter, G. *et al.* (2019) Smartphone biosensor for Salmonella and Amitriptyline [Proc. SPIE 11028, Optical Sensors 2019, 110280R](#)

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**Further Reading**      1. Pepys, M.B. & Hirschfield, G.M. (2003) C-reactive protein: a critical update. [J Clin Invest. 111 \(12\): 1805-12.](#)  
2. Clearfield, M.B. (2005) C-reactive protein: a new risk assessment tool for cardiovascular disease. [J Am Osteopath Assoc. 105 \(9\): 409-16.](#)

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**Storage**                This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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**Guarantee**            12 months from date of despatch

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**Health And Safety  
Information**            Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**            For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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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://bio-rad-antibodies.com/datasheets)  
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