

Datasheet: 1707-0189G

BATCH NUMBER 1801

Description:	GOAT ANTI HUMAN C-REACTIVE PROTEIN
Specificity:	C-REACTIVE PROTEIN
Other names:	CRP
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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 ₃)
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](#)

Synonyms

PTX1

RRID

AB_2057775

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.

References

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

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.](#)

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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/1707-0189G>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M362921:200528'

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