

Datasheet: 1707-0189G

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.

	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 (NaN₃)

Approx. Protein Concentrations IgG concentration 5.0mg/ml

Immunogen Native

External Database Links
UniProt:
[P02741](#) CRP_HUMAN [Related reagents](#)

Entrez Gene:
[1401](#) CRP [Related reagents](#)

Synonyms PTX1

Specificity 1707-0189G is specific for 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 (CVD).

References

1. Pepys, M.B. and Hirschfield, G.M. (2003) C-reactive protein: a critical update. [J. Clin. Invest. 111: 1805-1812.](#)
2. Clearfield, M.B. (2005) C-reactive protein: A new risk assessment tool for cardiovascular disease. [JAOA. 105: 409-416.](#)

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet Documentation #10040 available at:
<http://www.abdserotec.com/uploads/MSDS/10040.pdf>

Related Products

Recommended Secondary Antibodies

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

For research purposes only, unless otherwise specified in writing by AbD Serotec.

'M184731:110225'



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Printed on 08 Nov 2011