

## Datasheet: 1707-0306G

<b>Description:</b>	SHEEP 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
Immunohistology - Frozen	▪			
ELISA	▪			

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 the appropriate negative/positive controls.

**Target Species** Human

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antisera to human CRP were raised by repeated immunisations of sheep with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein G.

**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 c-reactive protein, from serum

**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\_1510170

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**Specificity**            **Sheep anti Human C-Reactive Protein antibody** detects human C-reactive protein (CRP), a calcium-binding plasma protein which is significantly up-regulated during the acute phase response. CRP has been shown to bind phosphocholine residues, apoptotic cells and constituents of micro-organisms, and can lead to activation of leukocytes and the complement system, and the clearance of apoptotic cells.

CRP is produced in the liver in response to interleukin-1 (IL-1) and IL-6 secretion, and has a monomer molar mass of 25 kDa, and native cyclic pentamer mass of 125 kDa.

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**Further Reading**        1. DeFerranti, S.D. & Rifai, N. (2007) C-reactive protein: a nontraditional serum marker of cardiovascular risk. [Cardiovasc Pathol. 16 \(1\): 14-21.](#)  
2. Yeh, E.T. (2004) CRP as a mediator of disease. [Circulation. 109 \(21 Suppl 1\): I111-4.](#)

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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 #10162 available at:  
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

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**Regulatory**             For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...)    [DyLight@488](#), [HRP](#)

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

**North & South**    Tel: +1 800 265 7376

**America**            Fax: +1 919 878 3751

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**Worldwide**

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Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

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Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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