

Datasheet: 1707-0306G

Description:	SHEEP 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
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 ₃)
Approx. Protein Concentrations	IgG concentration 5.0mg/ml
Immunogen	Native, from serum
External Database Links	<p>UniProt: P02741 Related reagents</p> <p>Entrez Gene: 1401 CRP Related reagents</p>

Synonyms	PTX1
Specificity	<p>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.</p> <p>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.</p>
Further Reading	<p>1. DeFerranti, S.D. & Rifai, N. (2007) C-reactive protein: a nontraditional serum marker of cardiovascular risk. Cardiovasc Pathol. 16 (1): 14-21.</p> <p>2. Yeh, E.T. (2004) CRP as a mediator of disease. Circulation. 109 (21 Suppl 1): II11-4.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[FITC](#), [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

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