

## Datasheet: AHP033

<b>Description:</b>	SHEEP ANTI HUMAN C1q
<b>Specificity:</b>	C1q
<b>Other names:</b>	COMPLEMENT COMPONENT 1q
<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
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
Immunodiffusion	▪			Neat

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antisera to human C1q were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared from whole serum by ion exchange chromatography.
<b>Buffer Solution</b>	Glycine buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	0.1% EACA

0.01% Benzamidine

1mM EDTA

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**Immunogen** Human C1q, purified from plasma.

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**External Database Links**

**UniProt:**

[P02747](#) [Related reagents](#)

[P02745](#) [Related reagents](#)

[P02746](#) [Related reagents](#)

**Entrez Gene:**

[714](#) C1QC [Related reagents](#)

[712](#) C1QA [Related reagents](#)

[713](#) C1QB [Related reagents](#)

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**Synonyms** C1QG

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**RRID** AB\_323186

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**Specificity** **Sheep anti Human C1q antibody** recognizes human C1q, a sub-component of the C1 complement component.

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**References**

1. Hwang, H.Y. *et al.* (2008) Highly specific inhibition of C1q globular-head binding to human IgG: a novel approach to control and regulate the classical complement pathway using an engineered single chain antibody variable fragment. [Mol Immunol. 45: 2570-80.](#)
  2. Cragg, M.S. and Glennie, M.J. (2004) Antibody specificity controls in vivo effector mechanisms of anti-CD20 reagents. [Blood. 103: 2738-43.](#)
  3. Sárvári, M. *et al.* (2003) Inhibition of C1q-beta-amyloid binding protects hippocampal cells against complement mediated toxicity. [J Neuroimmunol. 137: 12-8.](#)
  4. Lewis, M.J. *et al.* (2008) The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. [Mol Immunol. 45: 818-27.](#)
  5. Yuste, J. *et al.* (2007) Serum amyloid P aids complement-mediated immunity to *Streptococcus pneumoniae*. [PLoS Pathog. 3: 1208-19.](#)
  6. Tang, Z. *et al.* (2013) A human single-domain antibody elicits potent antitumor activity by targeting an epitope in mesothelin close to the cancer cell surface. [Mol Cancer Ther. 12: 416-26.](#)
  7. John, M. *et al.* (2000) Nephrotic syndrome in a patient with IgA deficiency-associated mesangioproliferative glomerulonephritis. [Pathology. 32 \(1\): 56-8.](#)
  8. Ramos-sevillano, E. *et al.* (2015) Pleiotropic effects of cell wall amidase LytA on *Streptococcus pneumoniae* sensitivity to the host immune response. [Infect Immun. 83 \(2\): 591-603.](#)
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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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<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10087 available at: 10087: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

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

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

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

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

Email: [antibody\\_sales\\_us@bio-rad.com](mailto: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](mailto: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](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](https://www.bio-rad-antibodies.com/datasheets)  
'M382920:210513'

**Printed on 11 Jul 2021**

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