

## Datasheet: AHP033F

<b>Description:</b>	SHEEP ANTI HUMAN C1q:FITC
<b>Specificity:</b>	C1q
<b>Other names:</b>	COMPLEMENT COMPONENT 1q
<b>Format:</b>	FITC
<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	▪			1/25 - 1/50
Immunohistology - Paraffin			▪	

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 conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525

**Antiserum Preparation** 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>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein</b>	IgG concentration 10 mg/ml

## Concentrations

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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\_321206

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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. John, M. *et al.* (2000) Nephrotic syndrome in a patient with IgA deficiency-associated mesangioproliferative glomerulonephritis. [Pathology. 32 \(1\): 56-8.](#)
  2. Sárvári, M. *et al.* (2003) Inhibition of C1q-beta-amyloid binding protects hippocampal cells against complement mediated toxicity. [J Neuroimmunol. 137: 12-8.](#)
  3. Cragg, M.S. and Glennie, M.J. (2004) Antibody specificity controls in vivo effector mechanisms of anti-CD20 reagents. [Blood. 103: 2738-43.](#)
  4. Yuste, J. *et al.* (2007) Serum amyloid P aids complement-mediated immunity to *Streptococcus pneumoniae*. [PLoS Pathog. 3: 1208-19.](#)
  5. 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.](#)
  6. 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.](#)
  7. 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.](#)
  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. This product is photosensitive and should be

protected from light.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP033F">https://www.bio-rad-antibodies.com/SDS/AHP033F</a> 10040
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<b>Regulatory</b>	For research purposes only
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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](https://www.bio-rad-antibodies.com/datasheets)  
'M429856:240501'

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