

Datasheet: AHP033F

**BATCH NUMBER 171024**

<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.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide

<b>Approx. Protein Concentrations</b>	IgG concentration 10 mg/ml
<b>Immunogen</b>	Human C1q, purified from plasma.
<b>External Database Links</b>	<p><b>UniProt:</b></p> <p><a href="#">P02747</a>    <a href="#">Related reagents</a></p> <p><a href="#">P02745</a>    <a href="#">Related reagents</a></p> <p><a href="#">P02746</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">714</a> C1QC    <a href="#">Related reagents</a></p> <p><a href="#">712</a> C1QA    <a href="#">Related reagents</a></p> <p><a href="#">713</a> C1QB    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	C1QG
<b>RRID</b>	AB_321206
<b>Specificity</b>	<b>Sheep anti Human C1q antibody</b> recognizes human C1q, a sub-component of the C1 complement component.
<b>References</b>	<ol style="list-style-type: none"> <li>Hwang, H.Y. <i>et al.</i> (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. <a href="#">Mol Immunol. 45: 2570-80.</a></li> <li>Cragg, M.S. and Glennie, M.J. (2004) Antibody specificity controls in vivo effector mechanisms of anti-CD20 reagents. <a href="#">Blood. 103: 2738-43.</a></li> <li>Sárvári, M. <i>et al.</i> (2003) Inhibition of C1q-beta-amyloid binding protects hippocampal cells against complement mediated toxicity. <a href="#">J Neuroimmunol. 137: 12-8.</a></li> <li>Lewis, M.J. <i>et al.</i> (2008) The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. <a href="#">Mol Immunol. 45: 818-27.</a></li> <li>Yuste, J. <i>et al.</i> (2007) Serum amyloid P aids complement-mediated immunity to <i>Streptococcus pneumoniae</i>. <a href="#">PLoS Pathog. 3: 1208-19.</a></li> <li>Tang, Z. <i>et al.</i> (2013) A human single-domain antibody elicits potent antitumor activity by targeting an epitope in mesothelin close to the cancer cell surface. <a href="#">Mol Cancer Ther. 12: 416-26.</a></li> <li>John, M. <i>et al.</i> (2000) Nephrotic syndrome in a patient with IgA deficiency-associated mesangioproliferative glomerulonephritis. <a href="#">Pathology. 32 (1): 56-8.</a></li> <li>Ramos-sevillano, E. <i>et al.</i> (2015) Pleiotropic effects of cell wall amidase LytA on <i>Streptococcus pneumoniae</i> sensitivity to the host immune response. <a href="#">Infect Immun. 83 (2): 591-603.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. This product is photosensitive and</p>

should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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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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<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M363757:200529'

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