Datasheet: AHP033F

Description:	SHEEP ANTI HUMAN C1q:FITC
Specificity:	C1q
Other names:	COMPLEMENT COMPONENT 1q
Format:	FITC
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
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.

Target Species

Human

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
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

Approx. Protein Concentrations

IgG concentration 10 mg/ml

Immunogen

Human C1q, purified from plasma.

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

Synonyms	C1QG
Specificity	**Sheep anti Human C1q antibody** recognizes human C1q, a sub-component of the C1 complement component.
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.
Storage	Store at +4^{o}C or at -20^{o}C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and 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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

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