

Datasheet: 2221-5004P

BATCH NUMBER 161340

Description:	SHEEP ANTI HUMAN C1q:HRP
Specificity:	C1q
Other names:	COMPLEMENT COMPONENT 1q
Format:	HRP
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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/100 - 1/400
Immunoprecipitation			▪	
Western Blotting			▪	

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 Horseradish Peroxidase (HRP) - liquid
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 protein G affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Thiomersal

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Human C1q.
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
RRID	AB_2067259
Specificity	Sheep anti Human C1q antibody recognizes human C1q, a sub-component of complement C1. C1q associates with complement components C1r and C1s, which are required for the progression of the proteolytic complement cascade. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis (Troedson et al. 2013). Sheep anti human C1q antibody may cross react with C1q in other species.
References	1. Nascimento, E.J. <i>et al.</i> (2009) Alternative complement pathway deregulation is correlated with dengue severity. PLoS One. 4:e6782 2. Lewis, M.J. <i>et al.</i> (2007) The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. Mol Immunol. 45: 818-27. 3. Jacobs, B.C. <i>et al.</i> (2003) Immunoglobulins inhibit pathophysiological effects of anti-GQ1b-positive sera at motor nerve terminals through inhibition of antibody binding. Brain. 126: 2220-34. 4. Arduin, E. <i>et al.</i> (2015) Highly reduced binding to high and low affinity mouse Fc gamma receptors by L234A/L235A and N297A Fc mutations engineered into mouse IgG2a. Mol Immunol. 63 (2): 456-63. 5. Kao, D. <i>et al.</i> (2015) A Monosaccharide Residue Is Sufficient to Maintain Mouse and Human IgG Subclass Activity and Directs IgG Effector Functions to Cellular Fc Receptors. Cell Rep. 13 (11): 2376-85. 6. Gearing, D.P. <i>et al.</i> (2016) <i>In Vitro</i> and <i>In Vivo</i> Characterization of a Fully Felinized Therapeutic Anti-Nerve Growth Factor Monoclonal Antibody for the Treatment of Pain in Cats. J Vet Intern Med. 30 (4): 1129-37.
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.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10094 available at: https://www.bio-rad-antibodies.com/SDS/2221-5004P 10094
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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