Datasheet: 2221-5504

Description:	NATIVE HUMAN C1q
Name:	C1q
Other names:	COMPLEMENT COMPONENT 1q
Format:	Purified
Product Type:	Antigen
Quantity:	1 mg

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
ELISA	▪			
Western Blotting			▪	

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

Target Species

Human

Product Form

Purified C1q from human serum - lyophilised

Reconstitution

Reconstitute with 1.0ml distilled water
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
The solution may appear cloudy following reconstitution

Buffer Solution

0.01M Na_2EDTA
0.3M NaCl, pH 7.5

Preservative Stabilisers

None present

Approx. Protein Concentrations

Total protein concentration 1.0 mg/ml after reconstitution

External Database Links

UniProt:

P02745 Related reagents
P02747 Related reagents
P02746 Related reagents

Entrez Gene:

712	C1QA	Related reagents
714	C1QC	Related reagents
713	C1QB	Related reagents

Synonyms	C1QG
Product Information	**Native Human Complement Component C1q** is 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.
Purity	SDS PAGE: >96% Single band at 410kDa in PAGE.
References	1. Wenderfer, S.E. *et al.* (2007) Analysis of C4 and the C4 binding protein in the MRL/lpr mouse. Arthritis Res Ther. 9: R114. 2. Kanda, Y. *et al.* (2007) Comparison of biological activity among nonfucosylated therapeutic IgG1 antibodies with three different N-linked Fc oligosaccharides: the high-mannose, hybrid, and complex types. Glycobiology. 17 (1): 104-18. 3. Kao, D. *et al.* (2015) A Monosaccharide Residue Is Sufficient to Maintain Mouse and Human IgG Subclass Activity and Directs IgG Effector Functions to Cellular Fc Receptors Cell Reports. 6 Dec [Epub ahead of print]
Storage	Store at +4ºC. DO NOT FREEZE. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10324 available at: 10324: https://www.bio-rad-antibodies.com/uploads/MSDS/10324.pdf Donor serum tested negative for HIV1/2 antibodies, HBsAg and HCV antibodies. As no test can completely guarantee this material to be free of pathogens it should be handled as potentially infectious.
Regulatory	For research purposes only

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