

Datasheet: 0200-0614

BATCH NUMBER 170409

Description:	MOUSE ANTI HUMAN C3b
Specificity:	C3b
Other names:	COMPLEMENT COMPONENT 3b
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	H11
Isotype:	IgG1
Quantity:	50 µg

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	▪			1/10
Immunohistology - Paraffin			▪	
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 appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 1.0 ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Gentle mixing of the vial following reconstitution is recommended.
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide, 0.5% Bovine Serum Albumin. These concentrations relate to the reconstituted product.
Approx. Protein Concentrations	IgG concentration 50 ug/ml after reconstitution
Immunogen	Human C3b.
External Database Links	<p>UniProt: P01024 Related reagents</p> <p>Entrez Gene: 718 C3 Related reagents</p>
Synonyms	CPAMD1
RRID	AB_620115
Specificity	Mouse anti Human C3b antibody, clone H11 recognizes human C3b, part of the complement system. C3 is cleaved by C3-convertase creating C3a and C3b, which binds to the surface of pathogens leading to their destruction by phagocytic cells. Mouse anti Human C3b antibody, clone H11 recognizes a determinant present on native (circulating) C3 and on the fragments C3b and C3c. The antibody is directed to a determinant present on the betachain of the C3 molecule (Western blot). It does not react with the anaphylatoxin C3a or the fragment C3d and does not inhibit the haemolytic function of C3.
References	<ol style="list-style-type: none"> Hallström, T. <i>et al.</i> (2011) Immune Evasion of <i>Moraxella catarrhalis</i> Involves Ubiquitous Surface Protein A-Dependent C3d Binding. J Immunol. 186: 3120-9. Sica, M. <i>et al.</i> (2017) Eculizumab treatment: stochastic occurrence of C3 binding to individual PNH erythrocytes. J Hematol Oncol. 10 (1): 126.
Storage	<p>This product is shipped at ambient temperature. Prior to reconstitution store at +4°C. After reconstitution it is recommended to 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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #20486 available at: https://www.bio-rad-antibodies.com/SDS/0200-0614
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M419861:230622'

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