

Datasheet: MCA2650

BATCH NUMBER 169262

Description:	MOUSE ANTI HUMAN COMPLEMENT FACTOR Bb NEOANTIGEN
Specificity:	COMPLEMENT FACTOR Bb
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	032B-22.1.X
Isotype:	IgG2a
Quantity:	0.1 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Borate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Current, batch-specific concentration 1.125 mg/ml

Immunogen	Purified Human factor B
External Database Links	<p>UniProt: P00751 Related reagents</p> <p>Entrez Gene: 629 CFB Related reagents</p>
Synonyms	BF, BFD
RRID	AB_877463
Specificity	<p>Mouse anti human complement factor Bb neoantigen monoclonal antibody, clone 032B-22.1.X recognizes a neoantigen of the Bb fragment of human complement factor B. Factor B is present in blood serum. C3b associates with complement factor B, inducing conformational change. This enables complement factor D to cleave the N-terminal of complement factor B (the Ba subunit) leaving the 63 kDa Bb subunit associated with C3b and forming C3 convertase. Subunit Bb is involved in the proliferation of preactivated B lymphocytes. Conversely, Ba inhibits lymphocyte proliferation.</p>
References	<p>1. Zipplies, J.K. <i>et al.</i> (2010) Complement factor B expression profile in a spontaneous uveitis model. Immunobiology. 215 (12): 949-55.</p>
Further Reading	<p>1. Xu Y <i>et al.</i> (2001) Structural biology of the alternative pathway convertase. Immunol Rev. 180: 123-35.</p> <p>2. Ponnuraj, K. <i>et al.</i> (2004) Structural analysis of engineered Bb fragment of complement factor B: insights into the activation mechanism of the alternative pathway C3-convertase. Mol Cell. 14:17-28.</p>
Storage	<p>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.</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	<p>Material Safety Datasheet documentation #10077 available at: https://www.bio-rad-antibodies.com/SDS/MCA2650 10077</p>
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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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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

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