

Datasheet: MCA4678G

Description:	MOUSE ANTI HUMAN FACTOR VIII
Specificity:	FACTOR VIII
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RFF-VIIIC/5
Isotype:	IgG1
Quantity:	0.2 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	▪			1/400 - 1/4000
Immunoprecipitation			▪	
Western Blotting	▪			
Radioimmunoassays	▪			

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 G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Affinity purified human Factor VIII.
External Database Links	<p>UniProt: P00451 Related reagents</p> <p>Entrez Gene: 2157 F8 Related reagents</p>
Synonyms	F8C
RRID	AB_1833761
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with P3-NS1/1-Ag4-1 myeloma cells.
Specificity	<p>Mouse anti Human Factor VIII antibody, clone RFF-VIII C/5 recognizes human Factor VIII, an essential blood coagulation factor. Factor VIII is primarily synthesized in the liver and is secreted into the bloodstream where it forms a complex with von Willebrand factor. It is activated through cleavage at various sites, dissociates from the complex and interacts with Factor IXa, in the presence of calcium ions and phospholipids, to convert Factor X to the activated Factor Xa, which in turn activates thrombin. Thrombin cleaves fibrinogen into fibrin, which polymerises and cross-links to form a blood clot. The activated Factor VIII is proteolytically inactivated and cleared from the bloodstream.</p> <p>Defects in Factor VIII cause haemophilia A (HEMA), a disorder characterised by the body's inability to control blood clotting, potentially resulting in severe blood loss, even with minor injuries.</p> <p>Mouse anti Human Factor VIII antibody, clone RFF-VIII C/5 recognizes an epitope towards the C-terminus of full-length Factor VIII. It also recognizes the ~80 kDa and ~70 kDa cleavage products.</p>
References	<ol style="list-style-type: none"> 1. Rotblat, F. <i>et al.</i> (1983) Monoclonal antibodies to human procoagulant factor VIII. J Lab Clin Med. 101 (5): 736-46. 2. Tiarks, C. <i>et al.</i> (1987) Identification of six functional clotting factor VIII:C epitopes by analysis of cross-reactive public idiotypes in murine monoclonal VIII:C inhibitors. Thromb Res. 45 (5): 527-37.
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	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA4678G 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

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

North & South America	Tel: +1 800 265 7376 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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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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