

## Datasheet: MCA4679

<b>Description:</b>	MOUSE ANTI HUMAN FACTOR VIII
<b>Specificity:</b>	FACTOR VIII
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RFF-VIIIIC/10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.5 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Affinity purified human Factor VIII
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P00451</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2157</a>    F8    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	F8C
<b>RRID</b>	AB_2262543
<b>Specificity</b>	<p><b>Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/10</b> recognizes human Factor VIII, an essential blood coagulation factor. Whilst circulating in the blood, it is mostly stably complexed to 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 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 (<a href="#">HEMA</a>), a disorder characterised by the body's inability to control blood clotting. This could result in severe blood loss, even with minor injuries.</p> <p>Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/10 recognizes an epitope within the non-functional, middle domain of full-length Factor VIII.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>1. Rotblat, F. <i>et al.</i> (1983) Monoclonal antibodies to human procoagulant factor VIII. <a href="#">J Lab Clin Med. 101 (5): 736-46.</a></li> <li>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. <a href="#">Thromb Res. 45 (5): 527-37.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA4679">https://www.bio-rad-antibodies.com/SDS/MCA4679</a>

**Regulatory**

For research purposes only

**Related Products****Recommended Secondary Antibodies**

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

**Recommended Negative Controls**[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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](https://bio-rad-antibodies.com/datasheets)

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