Datasheet: MCA4677G

Description: MOUSE ANTI HUMAN FACTOR VIII
Specificity: FACTOR VIII
Format: Purified
Product Type: Monoclonal Antibody
Clone: RFF-VIIIC/8
Isotype: IgG1
Quantity: 0.2 mg

RRID AB_2278167

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.

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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>ELISA</td>
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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

Species Cross Reactivity
Reacts with: Pig
Does not react with: Mouse, Dog, Rat
N.B. Antibody reactivity and working conditions may vary between species.

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 (NaN₃)
Carrier Free Yes
Approx. Protein Concentrations
IgG concentration 1.0mg/ml

Immunogen
Affinity purified human Factor VIII.

External Database Links
UniProt: P00451 Related reagents
Entrez Gene: 2157 Related reagents

Synonyms
F8C

Fusion Partners
Spleen cells from an immunized Balb/c mouse we fused both cells of the P3-NS/a-Ag4-1 mouse myeloma.

Specificity
Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/8 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 polymerizes and cross-links to form a blood clot. The activated Factor VIII is proteolytically inactivated and cleared from the bloodstream.

Defects in Factor VIII cause haemophilia A, a disorder characterized by the body’s inability to control blood clotting. This could result in severe blood loss, even with minor injuries.

Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/8 is a very potent coagulation inhibitor. It recognizes an epitope towards the N-terminus of full-length Factor VIII. It also recognizes the 210 kDa, 90 kDa and 40 kDa cleavage products. Mouse anti Human Factor VIII antibody, clone RFF-VIIIC/8 does not cross-react with von Willebrand factor.

References

Storage
Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
18 months from date of despatch.

Health And Safety
Material Safety Datasheet documentation #10040 available at:
Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos., HRP]
- Goat Anti Mouse IgG (STAR77...) [HRP]
- Rabbit Anti Mouse IgG (STAR12...) [RPE]
- Rabbit Anti Mouse IgG (STAR8...) [DyLight800]
- Rabbit Anti Mouse IgG (STAR13...) [HRP]
- Goat Anti Mouse IgG (STAR76...) [RPE]
- Goat Anti Mouse IgG (STAR70...) [FITC]
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC, HRP]
- Rabbit Anti Mouse IgG (STAR9...) [FITC]
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos., DyLight488, DyLight680, DyLight800, FITC, HRP]

**Recommended Negative Controls**

**MOUSE IgG1 NEGATIVE CONTROL (MCA928)**