Datasheet: MCA4677

**Description:** MOUSE ANTI HUMAN FACTOR VIII

**Specificity:** FACTOR VIII

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** RFF-VIIIC/8

**Isotype:** IgG1

**Quantity:** 0.5 mg

**RRID** AB_1833762

**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).

<table>
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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>Immunohistology - Paraffin</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 A from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative Stablisers** 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

Entrez Gene: 2157 F8

Synonyms

F8C

Fusion Partners

Spleen cells from an immunized Balb/c mouse we fused with 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...): [DyLight@800](#)
- 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., DyLight@488, DyLight@680, DyLight@800, FITC, HRP](#)

**Recommended Negative Controls**

- **MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

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