Datasheet: MCA812F

Description: MOUSE ANTI RABBIT IgM (B CELL MARKER):FITC

Specificity: IgM (B-CELL MARKER)

Format: FITC

Product Type: Monoclonal Antibody

Clone: NRBM

Isotype: IgG1

Quantity: 0.1 mg

Product Details

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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>Neat - 1/10</td>
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<tr>
<td>Immunofluorescence</td>
<td></td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species: Rabbit

Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</table>

Preparation: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative: 0.09% Sodium Azide (NaN₃)

Stabilisers: 1% Bovine Serum Albumin

Approx. Protein Concentrations: IgG concentration 0.1 mg/ml

External Database Links

UniProt: P04221 Related reagents
P03988 Related reagents

Fusion Partners: Spleen cells from immunised mice were fused with cells of the Mouse P3X63Ag8.653 myeloma cell line.
Specificity

Mouse anti Rabbit IgM (B Cell Marker) antibody, clone NRBM specifically recognizes the μ chain of rabbit Ig.

Mammalian IgM is produced and secreted by plasma cells located in bone marrow, lymph nodes and spleen. IgM is present in both a secreted polymeric form and as cell surface monomeric form on B cells.

Clone NRBM has been used in number of studies to label IgM+ B cells (Dewals et al. 2011, Waclavicek et al. 2009) and as such can be considered a reliable marker of lagomorph (rabbit) B cells in flow cytometry.

Flow Cytometry

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

References

9. Milanovic, V. et al. (2017) Histological and immunological changes in uterus during the different reproductive stages at Californian rabbit (Oryctolagus cuniculus). Kafkas Univ Vet Fak Derg. 23, 137-44.

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. This product is photosensitive and should be protected from light. 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 #10041 available at: