Datasheet: MCA947F

Description: RAT ANTI MOUSE CD169:FITC

Specificity: CD169

Other names: SIALOADHESIN

Format: FITC

Product Type: Monoclonal Antibody

Clone: MOMA-1

Isotype: IgG2a

Quantity: 0.1 mg

Product Details

RRID AB_322323

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.

<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</td>
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<tr>
<td>Immunofluorescence</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. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Mouse

Species Cross Reactivity

Does not react with: Human, Rat

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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<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</table>

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
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1 mg/ml
Immunogen

Stromal (reticular) elements from mouse lymph nodes.

External Database Links

UniProt: Q62230 Related reagents

Entrez Gene: 20612 Siglec1 Related reagents

Synonyms

Sa, Sn

Fusion Partners

Spleen cells from hyperimmunized mice were fused with cells from the murine SP2/0 myeloma.

Specificity

Rat anti Mouse CD169, clone MOMA-1 recognizes murine CD169, also known as sialoadhesin or Siglec-1. CD169 is a lectin-like receptor expressed by certain populations of macrophages including marginal zone metallophils of the spleen, subcapsular macrophages of lymph nodes and stromal macrophages in bone marrow (Morris et al. 1991).

CD169 is a ~185 kDa sialic acid binding receptor containing 17 immunoglobulin-like domains (Crocker et al. 1992). Expression of CD169 can be induced on macrophages in culture by a serum factor and further modulated by cytokine exposure (McWilliam et al. 1992).

Rat anti mouse CD169, clone MOMA-1 has been used for the in vivo depletion of specific macrophage populations (Kraal et al. 1988).

Flow Cytometry

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

References


Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light.

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 Information

Regulatory
For research purposes only

Related Products
Recommended Negative Controls

RAT IgG2a NEGATIVE CONTROL: FITC (MCA1212F)

Recommended Useful Reagents

MOUSE SEROBLOCK FcR (BUF041A)
MOUSE SEROBLOCK FcR (BUF041B)