

## Datasheet: MCA947F

**BATCH NUMBER 1801**

<b>Description:</b>	RAT ANTI MOUSE CD169:FITC
<b>Specificity:</b>	CD169
<b>Other names:</b>	SIALOADHESIN
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MOMA-1
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.1 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	▪			
Immunofluorescence	▪			

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.

<b>Target Species</b>	Mouse		
<b>Species Cross Reactivity</b>	Does not react with:Human, Rat		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<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 1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	Stromal (reticular) elements from mouse lymph nodes.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q62230</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">20612</a> Siglec1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Sa, Sn
<b>RRID</b>	AB_322323
<b>Fusion Partners</b>	Spleen cells from hyperimmunized mice were fused with cells from the murine SP2/0 myeloma.
<b>Specificity</b>	<p><b>Rat anti Mouse CD169, clone MOMA-1</b> 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 metallophilic cells of the spleen, subcapsular macrophages of lymph nodes and stromal macrophages in bone marrow (<a href="#">Morris <i>et al.</i> 1991</a>).</p> <p>CD169 is a ~185 kDa sialic acid binding receptor containing 17 immunoglobulin-like domains (<a href="#">Crocker <i>et al.</i> 1992</a>). Expression of CD169 can be induced on macrophages in culture by a serum factor and further modulated by cytokine exposure (<a href="#">McWilliam <i>et al.</i> 1992</a>).</p> <p>Rat anti mouse CD169, clone MOMA-1 has been used for the <i>in vivo</i> depletion of specific macrophage populations (<a href="#">Kraal <i>et al.</i> 1988</a>).</p>
<b>Histology Positive Control Tissue</b>	Lymphoid tissue
<b>References</b>	<ol style="list-style-type: none"> <li>1. Kraal, G. and Janse, M. (1986) Marginal metallophilic cells of the mouse spleen identified by a monoclonal antibody. <a href="#">Immunology. 58: 665-9.</a></li> <li>2. Oetke, C. <i>et al.</i> (2006) The antigen recognized by MOMA-I is sialoadhesin. <a href="#">Immunol Lett. 106: 96-98.</a></li> <li>3. Tumanov, A.V. <i>et al.</i> (2010) Cellular source and molecular form of TNF specify its distinct functions in organization of secondary lymphoid organs. <a href="#">Blood. 116 (18): 3456-64.</a></li> <li>4. Karlsson, M.C. <i>et al.</i> (2003) Macrophages control the retention and trafficking of B lymphocytes in the splenic marginal zone. <a href="#">J Exp Med. 198: 333-40.</a></li> <li>5. Kanayama, N. <i>et al.</i> (2005) Analysis of marginal zone B cell development in the mouse</li> </ol>

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA947F>  
10041

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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