

Datasheet: MCA947A647

Description:	RAT ANTI MOUSE CD169:Alexa Fluor® 647
Specificity:	CD169
Other names:	SIALOADHESIN
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	MOMA-1
Isotype:	IgG2a
Quantity:	100 TESTS/1ml

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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10

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	Mouse		
Species Cross Reactivity	Does not react with: Human, Rat		
Product Form	Purified IgG conjugated to Alexa Fluor® 647 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05mg/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 metallophilic cells 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 1x10⁶ cells in 100ul.

References

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- lymphoma-permissive niche within murine secondary lymphoid organs. [Blood. 118 \(4\): 1020-33.](#)
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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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA1212A647\)](#)

Recommended Useful Reagents

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

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

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