

Datasheet: MCA947

Description:	RAT ANTI MOUSE CD169
Specificity:	CD169
Other names:	SIALOADHESIN
Format:	S/N
Product Type:	Monoclonal Antibody
Clone:	MOMA-1
Isotype:	IgG2a
Quantity:	2 ml

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	■			
Immunohistology - Frozen	■			1/10
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	
Immunofluorescence	■			

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	Tissue Culture Supernatant - liquid
Preparation	Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum
Preservative Stabilisers	0.09% Sodium Azide
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 CytometryUse 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.**References**

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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. 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.

Health And Safety Information

Material Safety Datasheet documentation #10055 available at:
10055: <https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®549 , DyLight®649 , DyLight®800

Goat Anti Rat IgG (STAR131...)

[Alk. Phos.](#), [Biotin](#)

Goat Anti Rat IgG (STAR69...)

[FITC](#)

Goat Anti Rat IgG (STAR72...)

[HRP](#)

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

North & South

Tel: +1 800 265 7376

Worldwide

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