Datasheet: MCA2584

BATCH NUMBER 175115

Description:	MOUSE ANTI HUMAN CD172g
Specificity:	CD172g
Other names:	SIRP GAMMA, SIRPGAMMA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	OX119
Isotype:	IgG1
Quantity:	0.2 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

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	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Purified recombinant SIRPgamma.CD4.
External Database Links	**UniProt:** Q9P1W8 Related reagents **Entrez Gene:** 55423 SIRPG Related reagents
Synonyms	SIRPB2
RRID	AB_961524
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the NS-1 myeloma cell line.
Specificity	**Mouse anti Human CD172g antibody, clone OX119** recognizes human SIRP gamma, a 55 kDa signal regulatory protein which is a member of the immunoglobulin gene superfamily. SIRP gamma, also known as CD172g, is expressed on most T lymphocytes and a subset of B-cells but is absent on myeloid cells. CD172g has a truncated cytoplasmic tail, which is similar to SIRP beta, but unlike SIRP beta CD172g does not require DAP12 for expression at the cell surface. CD172g, like SIRP alpha, binds to CD47 inducing apoptosis. It is also involved in the negative regulation of receptor tyrosine kinase-coupled signalling.
Flow Cytometry	Use 10ul of the suggested working dilution to label $1x10^6$ cells in 100ul.
References	1. Brooke, G. *et al*. (2004) Human lymphocytes interact directly with CD47 through a novel member of the signal regulatory protein (SIRP) family. J Immunol.173:2562-70.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2584
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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Printed on 21 Oct 2026

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