

Datasheet: MCA2274PE

BATCH NUMBER 154619

Description:	RAT ANTI MOUSE CD150:RPE
Specificity:	CD150
Other names:	SLAM
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	9D1
Isotype:	IgG1
Quantity:	100 TESTS

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

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		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
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		

5% Sucrose

Immunogen	CHO cells stably transfected with mouse CD150
External Database Links	UniProt: Q9QUM4 Related reagents Entrez Gene: 27218 Slamf1 Related reagents
Synonyms	Slam
RRID	AB_566533
Fusion Partners	Spleen cells from immunised rats were fused with cells of a myeloma cell line.
Specificity	<p>Rat anti Mouse CD150 antibody, clone 9D1 recognizes murine CD150, also known as signaling lymphocyte activation molecule (SLAM) . Murine CD150 is a 75 kDa cell surface glycoprotein that is expressed on T-cells and B-cells, and is upregulated on activated T-cells and stimulated macrophages. The extracellular domain of CD150 is the receptor for the measles virus (Erlenhoefer et al. 2001) and acts as a co-activator on T-cells and B-cells.</p> <p>Rat anti Mouse CD150 antibody, clone 9D1 has functional activity (Howie et al. 2002).</p>
Flow Cytometry	<p>Use 10ul of the suggested working dilution to label 10^6 cells in 100ul. <</p> <p>The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B).</p>
References	<ol style="list-style-type: none">1. Howie, D. <i>et al.</i> (2002) The role of SAP in murine CD150 (SLAM)-mediated T-cell proliferation and interferon gamma production. Blood. 100 (8): 2899-907.2. Despons, C. <i>et al.</i> (2006) SHIP deficiency enhances HSC proliferation and survival but compromises homing and repopulation. Blood. 107: 4338-45.3. Almolda, B. <i>et al.</i> (2015) Alterations in microglial phenotype and hippocampal neuronal function in transgenic mice with astrocyte-targeted production of interleukin-10. Brain Behav Immun. 45: 80-97.4. Villacampa, N. <i>et al.</i> (2015) Astrocyte-targeted production of IL-10 induces changes in microglial reactivity and reduces motor neuron death after facial nerve axotomy. Glia. 63 (7): 1166-84.
Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend</p>

microcentrifugation before use.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA2274PE20487
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

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

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M375450:210104'

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