

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	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
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	0.09% Sodium Azide						
Stabilisers	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 **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.

Rat anti Mouse CD150 antibody, clone 9D1 has functional activity ([Howie et al. 2002](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 10^6 cells in 100ul. <

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](#)).

References

1. Howie, D. *et al.* (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. *et al.* (2006) SHIP deficiency enhances HSC proliferation and survival but compromises homing and repopulation. [Blood. 107: 4338-45.](#)
 3. Almolda, B. *et al.* (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. *et al.* (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.](#)
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Storage Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend

microcentrifugation before use.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #20487 available at: https://www.bio-rad-antibodies.com/SDS/MCA2274PE 20487
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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 \(BUF041B\)](#)

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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