

Datasheet: MCA2274EL

Description:	RAT ANTI MOUSE CD150:Low Endotoxin
Specificity:	CD150
Other names:	SLAM
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	9D1
Isotype:	IgG1
Quantity:	0.5 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	■			1/10 - 1/50
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	
Functional Assays	■			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	<0.01EU/mg
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	CHO cells stably transfected with mouse CD150
External Database Links	UniProt: Q9QUM4 Related reagents Entrez Gene: 27218 Slamf1 Related reagents
Synonyms	Slam
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
References	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	Store at -20°C only. 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 #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.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 IgG1 NEGATIVE CONTROL:Low Endotoxin \(MCA1211EL\)](#)

North & South America	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio-rad.com		Email: antibody_sales_de@bio-rad.com

'M315585:180503'

Printed on 25 May 2018