

Datasheet: MCA2515A647T

Description:	MOUSE ANTI HUMAN CD85j:Alexa Fluor® 647
Specificity:	CD85j
Other names:	LILRB1
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	4F9
Isotype:	IgG1
Quantity:	25 TESTS/0.25ml

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 - 1/10

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 conjugated to Alexa Fluor® 647 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05mg/ml		
Immunogen	Monocyte derived dendritic cells.		
External Database Links	UniProt: Q8NHL6 Related reagents		

Entrez Gene:

[10859](#) LILRB1 [Related reagents](#)

Synonyms	ILT2, LIR1, MIR7
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Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line.
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Specificity	<p>Mouse anti Human CD85j antibody, clone 4F9 recognizes CD85j, a member of the leukocyte immunoglobulin-like receptor (LIR) family.</p> <p>CD85j is a receptor for MHC Class I molecules and ligand binding results in inhibitory signals and down-regulation of the immune response.</p> <p>CD85j is expressed predominantly on B-cells and monocytes, and at lower levels on dendritic cells, T-cells and natural killer (NK) cells.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
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Further Reading	<ol style="list-style-type: none">1. Colonna, M. <i>et al.</i> (1999) A novel family of Ig-like receptors for HLA class I molecules that modulate function of lymphoid and myeloid cells. J Leukoc Biol. 66 (3): 375-81.2. Borges, L. <i>et al.</i> (1997) A family of human lymphoid and myeloid Ig-like receptors, some of which bind to MHC class I molecules. J Immunol. 159 (11): 5192-6.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA928A647\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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'M312213:180209'

Printed on 05 May 2018

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