

## Datasheet: MCA2515PE

<b>Description:</b>	MOUSE ANTI HUMAN CD85j:RPE
<b>Specificity:</b>	CD85j
<b>Other names:</b>	LILRB1
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4F9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/2

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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )		
<b>Stabilisers</b>	1% Bovine Serum Albumin		

5% Sucrose

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<b>Immunogen</b>	Monocyte derived dendritic cells.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q8NHL6</a> <a href="#">Related reagents</a>
	<b>Entrez Gene:</b> <a href="#">10859</a> LILRB1 <a href="#">Related reagents</a>

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<b>Synonyms</b>	ILT2, LIR1, MIR7
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<b>RRID</b>	AB_931699
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<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human CD85j antibody, clone 4F9</b> 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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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul
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<b>Further Reading</b>	<ol style="list-style-type: none"><li>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. <a href="#">J Leukoc Biol. 66 (3): 375-81.</a></li><li>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. <a href="#">J Immunol. 159 (11): 5192-6.</a></li></ol>
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<b>Storage</b>	<p>Prior to reconstitution store at +4°C.</p> <p>After reconstitution store at +4°C.</p> <p>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.</p>
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2515PE">https://www.bio-rad-antibodies.com/SDS/MCA2515PE</a> 20487
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

### Recommended Useful Reagents

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

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

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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](https://bio-rad-antibodies.com/datasheets)  
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**Printed on 24 Feb 2025**

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