

## Datasheet: MCA2515SBUV540

**BATCH NUMBER 64690961**

<b>Description:</b>	MOUSE ANTI HUMAN CD85j:StarBright UltraViolet 540
<b>Specificity:</b>	CD85j
<b>Other names:</b>	LILRB1
<b>Format:</b>	StarBright UltraViolet 540
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4F9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/0.5ml

### 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

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 StarBright UltraViolet 540 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	StarBright UltraViolet 540	338	540
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G 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 0.1% Pluronic F68		

0.1% PEG 3350

0.05% Tween 20

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<b>Approx. Protein Concentrations</b>	For information on the concentration of our StarBright Dye conjugated reagents please visit our <a href="#">FAQ</a> page.
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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>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 5µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl. Best practices suggest a 5 minutes centrifugation at 6,000g prior to sample application.
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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>	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Acknowledgements</b>	This product is covered by U.S. Patent No. 10,150,841 and related U.S. and foreign counterparts
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20471 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2515SBUV540">https://www.bio-rad-antibodies.com/SDS/MCA2515SBUV540</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Useful Reagents

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

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)

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