

Datasheet: MCA2515A647

BATCH NUMBER 165422

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:	100 TESTS/1ml

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 A from tissue culture supernatant
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Buffer Solution	Phosphate buffered saline
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Preservative	0.09% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin

Approx. Protein	IgG concentration 0.05 mg/ml
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Concentrations

Immunogen Monocyte derived dendritic cells.

External Database Links

UniProt:

[Q8NHL6](#) [Related reagents](#)

Entrez Gene:

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

Synonyms ILT2, LIR1, MIR7

RRID AB_915232

Fusion Partners Spleen cells from immunised Balb/c mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line.

Specificity **Mouse anti Human CD85j antibody, clone 4F9** recognizes CD85j, a member of the leukocyte immunoglobulin-like receptor (LIR) family.

CD85j is a receptor for MHC Class I molecules and ligand binding results in inhibitory signals and down-regulation of the immune response.

CD85j is expressed predominantly on B-cells and monocytes, and at lower levels on dendritic cells, T-cells and natural killer (NK) cells.

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul

Further Reading

1. Colonna, M. *et al.* (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. *et al.* (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.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

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Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2515A647>

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

Product inquiries: 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
'M426208:231201'

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