

Datasheet: MCA2515F

BATCH NUMBER 154926

Description:	MOUSE ANTI HUMAN CD85j:FITC
Specificity:	CD85j
Other names:	LILRB1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	4F9
Isotype:	IgG1
Quantity:	0.1 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	▪			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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.1mg/ml		

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_915226

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

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2515F>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

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

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