

Datasheet: MCA6064F

Description:	RAT ANTI MOUSE CD83:FITC
Specificity:	CD83
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	Michel-19
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	■			1/5 - 1/20

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	Mouse		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation (nm)	Emission (nm)
	FITC	490	520
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)		
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml		
Immunogen	Recombinant mouse CD83 protein		
External Database Links	UniProt: O88324 Related reagents Entrez Gene:		

Specificity	Rat anti Mouse CD83, clone Michel-19 recognizes CD83 also known as HB15. CD83 is a 45 kDa type I transmembrane protein and member of the immunoglobulin superfamily. CD83 expression has been detected on dendritic cells (DCs) and activated lymphocytes. CD83 is a well-recognized marker for mature dendritic cells. It is expressed as a cell surface molecule on thymic, circulating, and monocyte derived DCs, as well as Langerhans cells in the skin, interdigitating reticulum cells in the T cell zones of lymphoid organs, and microglia. Low level expression has also been reported on activated T and B cells. In addition, CD83 can be expressed in a soluble form, and is able to down-regulate DC maturation and stimulation of T cells. When CD83 expression was disrupted in mice, CD4+ T cell generation was impaired.
Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

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