

Datasheet: MCA6133F BATCH NUMBER 166096

Description:	MOUSE ANTI HUMAN CD279:FITC
Specificity:	CD279
Other names:	PD-1
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	EH12.2H7
lsotype:	lgG1
Quantity:	100 TESTS/400µl

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 <u>www.bio-</u>							
	rad-antibodies.com/pro	otocols.	Not Dotorminod	Suggested Dilution				
	Flow Cytometry	165 NU	Not Determined	Neat				
	Where this product has necessarily exclude its a guide only. It is recor system using appropria	s not been tested for use in such proced mmended that the u ate negative/positiv	r use in a particular te lures. Suggested wor ser titrates the produce e controls.	echnique this does not king dilutions are given as ct for use in their own				
Target Species	Human							
Species Cross Reactivity	Reacts with: Primate N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.							
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 supernatant	by affinity chromato	graphy on Protein A f	rom tissue culture				

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃) 0.2% Bovine Serum Albumin
External Database Links	UniProt: Q15116 Related reagents Entrez Gene: 5133 PDCD1 Related reagents
Synonyms	PD1
Specificity	Mouse anti Human CD279 antibody, clone EH12.2H7 detects <u>CD279</u> , a co-stimulatory molecule also known as programmed cell death-1 (PD-1).
	CD279 is a ~50-55 kDa membrane protein which is a member of the CD28 family, and functions as a regulator of T cell activation (Fife and Pauken, 2011). It has two specific ligands; CD274 (PD-L1) and CD273 (PD-L2), and their interaction is key in the balance between stimulatory and inhibitory signals needed for effective immune responses to microbes and self-tolerance.
	CD279 is a marker for germinal center-associated T cells (<u>Dorfman <i>et al</i>, 2006</u>) and is inducibly expressed by T cells, B cells, NKT cells and monocytes upon activation.
Purity	>95% by SDS PAGE
Flow Cytometry	Use 4ul of the suggested working dilution to label 1×10^6 cells in 100ul
Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.
Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6133F 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

North & Sout	h Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21	То			
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50	find a			
	Email: antibody_sales_us@	bio-rad.com	Email: antibody_sales_uk@bio	o-rad.com	Email: antibody_sales_de@bio-r	ad.com			
batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets									
'M401906:220718'									

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