

Datasheet: MCA1483F

BATCH NUMBER 172340

Description:	MOUSE ANTI MONKEY CD3:FITC
Specificity:	CD3 (POLYMORPHIC)
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	FN-18
Isotype:	IgG1
Quantity:	100 TESTS

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	▪			1/10
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

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

Rhesus Monkey

Species Cross Reactivity

Reacts with: Macaque, Cynomolgus monkey, African green monkey

Does not react with: Chimpanzee, Gorilla, Marmoset

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) - lyophilized

Reconstitution

Reconstitute with 0.5ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

For long term storage the addition of 0.09% sodium azide and 1% bovine serum albumin

is recommended.

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	1% bovine serum albumin 125mM Trehalose		
Immunogen	Rhesus monkey peripheral blood leucocytes.		
RRID	AB_321251		
Fusion Partners	Spleen cells from immunized mice were fused with cells of the mouse SP2/0 Ag14 myeloma cell line.		
Specificity	Mouse anti Monkey CD3 antibody, clone FN-18 recognizes the rhesus monkey RhT3 antigen, the homolog of human CD3. Mouse anti Monkey CD3 antibody, clone FN-18 has been reported to recognize a polymorphic epitope of the RhT3 antigen, which is expressed by mature T lymphocytes.		
Flow Cytometry	Use 50µl of the suggested working dilution to label 10 ⁶ cells in 100µl		
References	<ol style="list-style-type: none">1. Nooji, F.J.M. <i>et al.</i> (1986) Polymorphism for RhT3, a CD3-like cell surface antigen, expressed on rhesus monkey T lymphocytes. Immunology 59: 611.2. Nooij, F.J. <i>et al.</i> (1986) Differentiation antigens on rhesus monkey lymphocytes. II. Characterization of RhT3, a CD3-like antigen on T cells. Eur J Immunol. 16 (8): 981-4.3. Berry, N. <i>et al.</i> (2008) Resistance to superinfection by a vigorously replicating, uncloned stock of simian immunodeficiency virus (SIVmac251) stimulates replication of a live attenuated virus vaccine (SIVmacC8). J Gen Virol. 89: 2240-51.4. Li, B. <i>et al.</i> (2011) Vaccination with live attenuated simian immunodeficiency virus causes dynamic changes in intestinal CD4+CCR5+ T cells. Retrovirology. 8: 8.		
Storage	<p>This product is shipped at ambient temperature. Prior to reconstitution store at +4°C. After reconstitution it is recommended to 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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p>		
Guarantee	Guaranteed until date of expiry. Please see product label.		
Health And Safety Information	Material Safety Datasheet documentation #10347 available at: https://www.bio-rad-antibodies.com/SDS/MCA1483F		

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

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