

## Datasheet: MCA1483F

**BATCH NUMBER 172650**

<b>Description:</b>	MOUSE ANTI MONKEY CD3:FITC
<b>Specificity:</b>	CD3 (POLYMORPHIC)
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	FN-18
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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
<b>Preparation</b>	Purified IgG prepared by ion exchange chromatography from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	1% bovine serum albumin		
<b>Stabilisers</b>	125mM Trehalose		
<b>Immunogen</b>	Rhesus monkey peripheral blood leucocytes.		
<b>RRID</b>	AB_321251		
<b>Fusion Partners</b>	Spleen cells from immunized mice were fused with cells of the mouse SP2/0 Ag14 myeloma cell line.		
<b>Specificity</b>	<b>Mouse anti Monkey CD3 antibody, clone FN-18</b> 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.		
<b>Flow Cytometry</b>	Use 50µl of the suggested working dilution to label 10 <sup>6</sup> cells in 100µl		
<b>References</b>	<ol style="list-style-type: none"><li>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. <a href="#">Immunology 59: 611.</a></li><li>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. <a href="#">Eur J Immunol. 16 (8): 981-4.</a></li><li>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). <a href="#">J Gen Virol. 89: 2240-51.</a></li><li>4. Li, B. <i>et al.</i> (2011) Vaccination with live attenuated simian immunodeficiency virus causes dynamic changes in intestinal CD4+CCR5+ T cells. <a href="#">Retrovirology. 8: 8.</a></li></ol>		
<b>Storage</b>	<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>		
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.		
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10347 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1483F">https://www.bio-rad-antibodies.com/SDS/MCA1483F</a>		

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://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](http://bio-rad-antibodies.com/datasheets)

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