

Datasheet: MCA1483F

BATCH NUMBER 169375

| | |
|----------------------|----------------------------|
| 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 10347 | | |

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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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