# Datasheet: MCA1718F

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|---|---|
| **Description:** | MOUSE ANTI HUMAN CD38:FITC |
| **Specificity:** | CD38 |
| **Format:** | FITC |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | HIT2 |
| **Isotype:** | IgG1 |
| **Quantity:** | 100 TESTS/0.5ml |

## 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 | ▪ | | | Neat |

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**

Human

**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 by affinity chromatography

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% sodium azide ($NaN_3$)
0.2% bovine serum albumin

**External Database Links**

**UniProt:**

P28907 Related reagents

**Entrez Gene:**

952 CD38 Related reagents

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|---|---|
| **Specificity** | **Mouse anti Human CD38 antibody, clone HIT2** recognizes human ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1, also known as CD38, 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase, ADP-ribosyl cyclase 1 or T10. CD38 is a 300 amino acid ~45 kDa single pass type II transmembrane glycoprotein expressed by activated T cells and by plasma cells. |
| **Flow Cytometry** | Use 5µl of the suggested working dilution to label $10^6$ cells or 100µl whole blood |
| **References** | 1. Summerhill, R.J. *et al.* (1993) Human lymphocyte antigen CD38 catalyzes the production of cyclic ADP-ribose. FEBS Lett. 335 (2): 231-3. |
| **Storage** | Store at +4°C.<br>DO NOT FREEZE.<br>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. |
| **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:<br>https://www.bio-rad-antibodies.com/SDS/MCA1718F<br>10041 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

### Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)


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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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