# Datasheet: MCA2074F

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|---|---|
| **Description:** | MOUSE ANTI HUMAN CD16/CD56:FITC |
| **Specificity:** | CD16/CD56 |
| **Format:** | FITC |
| **Product Type:** | Monoclonal Antibody Panel |
| **Clone:** | LNK16 / MEM-188 |
| **Isotype:** | Cocktail |
| **Quantity:** | 0.1 mg |

## 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 - 1/10 |

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 on Protein G from ascites

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% sodium azide ($NaN_3$)
1% bovine serum albumin

**Approx. Protein Concentrations**

IgG concentration 0.1mg/ml

**External Database Links**

**UniProt:**

O75015     Related reagents
P08637     Related reagents
P13591     Related reagents

**Entrez Gene:**

2215   FCGR3B   Related reagents
2214   FCGR3A   Related reagents
4684   NCAM1    Related reagents

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|---|---|
| **Synonyms** | CD16A, CD16B, FCG3, FCGR3, IGFR3, NCAM |
| **RRID** | AB_323451 |
| **Specificity** | **Mouse anti Human CD16/CD56 antibody panel, clones LNK16, MEM-188** is a combination of two monoclonal antibodies recognising the human CD16, clone LNK16 and CD56, clone MEM-188 cell surface antigens. This combination is particularly useful for the detection of all natural killer cells due to the fact that different subsets of these cells exist that are either CD16+/CD56+, CD16+/CD56- or CD16-/CD56+. |
| **Flow Cytometry** | Use 10µl of the suggested working dilution to label $10^6$ cells in 100µl. |
| **References** | 1. Costa, P. CD56 Workshop Panel Report. In: Leucocyte typing VI. white cell differentiation antigens (1997) p. 271-272. Kishimoto, T. *et al*. Eds. Garland Publishing Inc. New York and London. <br> 2. Harbige, L.S. *et al.* (2016) Immune Response of Healthy Adults to the Ingested Probiotic *Lactobacillus casei* Shirota. Scand J Immunol. 84 (6): 353-64. |
| **Storage** | This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, 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. <br><br> 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. |
| **Guarantee** | 12 months from date of despatch |
| **Health And Safety Information** | Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2074F <br> 10041 |
| **Regulatory** | For research purposes only |

# Related Products

## Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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