

Datasheet: MCA2046F

BATCH NUMBER 164943

Description:	MOUSE ANTI HUMAN CD56:FITC
Specificity:	CD56
Other names:	N-CAM
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	MEM-188
Isotype:	IgG2a
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 - 1/5

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 A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.1 mg/ml		

Concentrations

External Database Links

UniProt:

[P13591](#) [Related reagents](#)

Entrez Gene:

[4684](#) NCAM1 [Related reagents](#)

Synonyms

NCAM

Specificity

Mouse anti Human CD56 antibody, clone MEM-188 recognizes CD56, a 140kDa cell surface glycoprotein expressed primarily by natural killer cells and a subset of T cells in peripheral blood.

Flow Cytometry

Use 10µl of the suggested working dilution to label 1x10⁶ cells in 100µl

References

1. Costa, P. *et al.* (1997) CD56 Workshop Panel Report. In: Leucocyte typing VI. White cell differentiation antigens. Garland Publishing Inc. New York and London. 271-2.
2. Prager, E. *et al.* (2001) Induction of hyporesponsiveness and impaired T lymphocyte activation by the CD31 receptor:ligand pathway in T cells. [J Immunol. 166 \(4\): 2364-71.](#)
3. Staffler G *et al.* (2003) Selective inhibition of T cell activation via CD147 through novel modulation of lipid rafts. [J Immunol. 171 \(4\): 1707-14.](#)
4. Crisan, M. *et al.* (2008) A perivascular origin for mesenchymal stem cells in multiple human organs. [Cell Stem Cell. 3: 301-13.](#)
5. Newman, K.C. *et al.* (2006) Cross-talk with myeloid accessory cells regulates human natural killer cell interferon-gamma responses to malaria. [PLoS Pathog. 2: e118.](#)
6. Apps, R. *et al.* (2011) Ex vivo functional responses to HLA-G differ between blood and decidual NK cells. [Mol Hum Reprod. 17: 577-86.](#)
7. Aspinall, A.I. *et al.* (2010) CX(3)CR1 and vascular adhesion protein-1-dependent recruitment of CD16(+) monocytes across human liver sinusoidal endothelium. [Hepatology. 51: 2030-9.](#)
8. Rodriguez JM *et al.* (2015) PyNTTTTGT and CpG Immunostimulatory Oligonucleotides: Effect on Granulocyte/Monocyte Colony-Stimulating Factor (GM-CSF) Secretion by Human CD56+ (NK and NKT) Cells. [PLoS One. 10 \(2\): e0117484.](#)

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.

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/MCA2046F>

10041

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL:FITC \(MCA929F\)](#)

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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