

Datasheet: MCA1878F

Description:	MOUSE ANTI HUMAN CD97:FITC
Specificity:	CD97
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	MEM-180
Isotype:	IgG1
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 A from ascites		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		
External Database Links	UniProt:		

[P48960](#) [Related reagents](#)

Entrez Gene:

[976](#) CD97 [Related reagents](#)

RRID AB_323300

Specificity **Mouse anti Human CD97 antibody, clone MEM-180** recognizes the human CD97 cell surface antigen, a 74-89 kDa glycoprotein expressed by granulocytes, monocytes, some activated lymphocytes and weakly by resting lymphocytes (5-15%). Mouse anti Human CD97 antibody, clone MEM-180 has been reported to detect CD97 antigen weakly in western blotting.

Flow Cytometry Use 10µl of the suggested working dilution to label 10⁶ cells or 100µl whole blood

References

1. Hamann, J. *et al.* (1998) Characterization of the CD55 (DAF)-binding site on the seven-span transmembrane receptor CD97. [Eur J Immunol. 28 \(5\): 1701-7.](#)
2. Steinert, M. *et al.* (2002) Expression and regulation of CD97 in colorectal carcinoma cell lines and tumor tissues. [Am J Pathol. 161 \(5\): 1657-67.](#)
3. Wobus, M. *et al.* (2004) N-glycosylation of CD97 within the EGF domains is crucial for epitope accessibility in normal and malignant cells as well as CD55 ligand binding. [Int J Cancer. 112 \(5\): 815-22.](#)
4. Yona, S. *et al.* (2008) Ligation of the adhesion-GPCR EMR2 regulates human neutrophil function. [FASEB J. 22 \(3\): 741-51.](#)
5. Wobus, M. *et al.* (2015) Association of the EGF-TM7 receptor CD97 expression with FLT3-ITD in acute myeloid leukemia. [Oncotarget. 6 \(36\): 38804-15.](#)

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/MCA1878F>
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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