

Datasheet: MCA1878

Description:	MOUSE ANTI HUMAN CD97
Specificity:	CD97
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MEM-180
Isotype:	IgG1
Quantity:	0.2 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	▪			1/200 - 1/400
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml

**External Database
Links**

UniProt:

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

Entrez Gene:

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

RRID AB_323206

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 10ul of the suggested working dilution to label 10⁶ cells or 100ul whole blood

References

1. 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.](#)
2. 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.](#)
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.

Guarantee 12 months from date of despatch

**Health And Safety
Information** Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M383603:210513'

Printed on 14 Jun 2022