

Datasheet: MCA1878APC

BATCH NUMBER 163855

Description:	MOUSE ANTI HUMAN CD97:APC
Specificity:	CD97
Format:	APC
Product Type:	Monoclonal Antibody
Clone:	MEM-180
Isotype:	IgG1
Quantity:	100 TESTS

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 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 conjugated to Allophycocyanin (APC) - lyophilized		
Reconstitution	Reconstitute with 1ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	APC	650	661
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein	IgG concentration 0.1mg/ml		

Concentrations

External Database

Links

UniProt:

[P48960](#)

[Related reagents](#)

Entrez Gene:

[976](#)

CD97

[Related reagents](#)

RRID

AB_2244564

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 10^6 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

Prior to reconstitution store at +4°C.

After reconstitution store at +4°C.

DO NOT FREEZE. 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

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1878APC>
20487

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:APC \(MCA928APC\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

North & South Tel: +1 800 265 7376

America 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M410419:221028'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)