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# Datasheet for ABIN94252 anti-CD97 antibody

1 Image

1 Publication



#### Overview

Quantity:	0.1 mg
Target:	CD97
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD97 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

### Product Details

Immunogen:	PHA-activated peripheral blood cells
Clone:	MEM-180
Isotype:	lgG1
Specificity:	The antibody MEM-180 recognizes a unique epitope on CD97, a 75-85 kDa surface glycoprotein of G-protein-coupled receptor family, expressed on activated B and T lymphocytes, monocytes/macrophages, dendritic cells and granulocytes.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

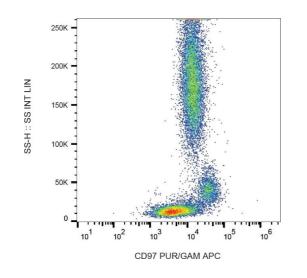
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## Target Details

Target:	CD97
Alternative Name:	CD97 (CD97 Products)
Background:	Adhesion G protein-coupled receptor E5,CD97 is a G-protein-coupled seven-span
	transmembrane adhesive receptor that is constitutively expressed on granulocytes and
	monocytes and rapidly upregulated on T and B cells upon activation. CD97 is produced in
	alternatively spliced forms and its cellular ligand is CD55 (DAF), which protects various cell
	types from complement-mediated damage. Interaction of CD97 on leukocytes and CD55 on
	vessel cells probably facilitate leukocyte activation and migration into the tissues, similarly,
	CD97 seems to play a role in tumour migration and invasiveness. CD97 is involved in T cell
	regulation and peripheral granulocyte homeostasis.,TM7LN1, ADGRE5
Gene ID:	976
UniProt:	P48960
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 5 µg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.
Publications	
Product cited in:	Wobus, Vogel, Schmücking, Hamann, Aust: "N-glycosylation of CD97 within the EGF domains i
	crucial for epitope accessibility in normal and malignant cells as well as CD55 ligand binding."
	in: International journal of cancer. Journal international du cancer, Vol. 112, Issue 5, pp. 815-

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### Images



#### Flow Cytometry

**Image 1.** Flow cytometry analysis (surface staining) of human peripheral blood with anti-CD97 (MEM-180) purified, GAM-APC.

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