

Datasheet for ABIN94253  
**anti-CD97 antibody (FITC)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 tests
Target:	CD97
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD97 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	PHA-activated peripheral blood cells
Clone:	MEM-180
Isotype:	IgG1
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 antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	CD97
Alternative Name:	CD97 ( <a href="#">CD97 Products</a> )
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:	<a href="#">P48960</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

## Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing 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:	<b>Do not freeze.</b> Avoid prolonged exposure to light.
Storage:	4 °C

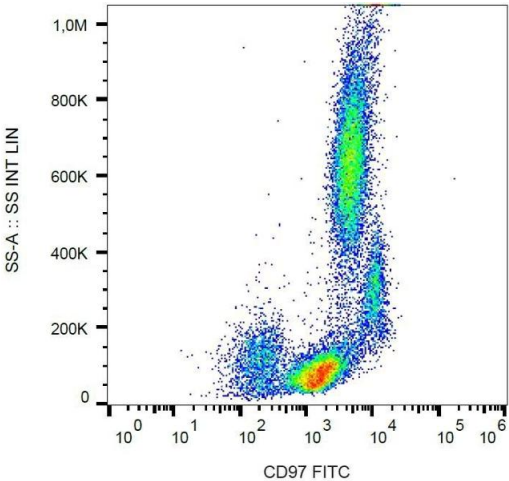
Handling

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

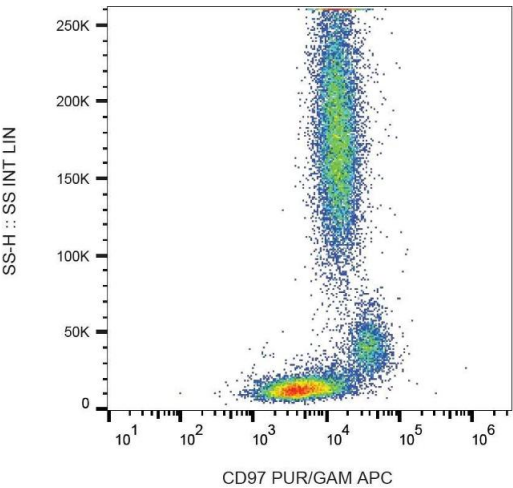
Product cited in: Wobus, Vogel, Schmücking, Hamann, Aust: "N-glycosylation of CD97 within the EGF domains is crucial for epitope accessibility in normal and malignant cells as well as CD55 ligand binding." in: **International journal of cancer. Journal international du cancer**, Vol. 112, Issue 5, pp. 815-22, (2004) ([PubMed](#)).

Images



Flow Cytometry

**Image 1.** Surface staining of human peripheral blood with anti-CD97 (MEM-180) FITC.



Flow Cytometry

**Image 2.** Surface staining of human peripheral blood with anti-CD97 (MEM-180) FITC.