

For Research Use Only

CD97 Monoclonal antibody, PBS Only



Catalog Number: 66972-1-PBS

Basic Information

Catalog Number:

66972-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG27991

GenBank Accession Number:

BC026690

GeneID (NCBI):

976

UNIPROT ID:

P48960

Full Name:

CD97 molecule

Calculated MW:

722 aa, 79 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

3F10C2

Applications

Tested Applications:

WB, IF, Indirect ELISA

Species Specificity:

Human, Mouse

Background Information

CD97 is a member of the seven-trans-membrane subfamily of the class B G protein-coupled receptor (GPCR) group of the epidermal growth factor (EGF) and is present on the surface of lymphocytes, monocytes, macrophages, dendritic cells, granulocytes, and smooth muscle, being a dimeric glycoprotein with a 75-90 kDa intracellular domain and a 28 kDa extracellular domain (PMID: 23969601). It plays a vital role in cell adhesion, migration, and cell connection regulation (PMID: 36464675). CD97 is expressed on T-cells, but rarely on B cells. CD97 might play key roles in cellular adhesion, through connections with other proteins of the cell surface and of the extracellular matrix (PMID: 32781778).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

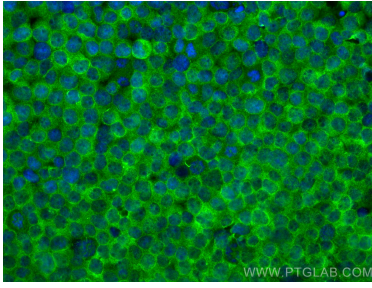
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

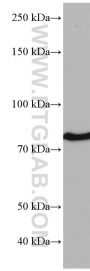
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD97 antibody (66972-1-Ig, Clone: 3F10C2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66972-1-PBS in a different storage buffer formulation.



K-562 cells were subjected to SDS PAGE followed by western blot with 66972-1-Ig (CD97 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66972-1-PBS in a different storage buffer formulation.