

CoraLite® Plus 488-conjugated CD97 Monoclonal antibody

Catalog Number: **CL488-66972**

Basic Information

Catalog Number:

CL488-66972

Size:

1000 µg/ml

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

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

