

KB487

For research use only

Anti Human CD97 Polyclonal Antibody

Code No. KB487
Target CD97
Category Immunology
Gene ID 976
Primary Source HGNC:1711
Synonyms TM7LN1; CD97

Type Polyclonal Antibody
Immunogen Recombinant protein of full length Human CD97

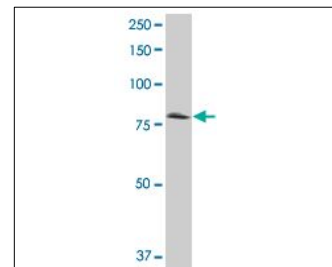
Raised in Mouse
Myeloma -
Clone number -
Purification Protein A purified
Source Mouse Serum
Isotype -
Cross Reactivity -
Label Unlabeled
Concentration 1 mg/mL
Contents (Volume) 50 µg
Buffer PBS, pH 7.2

Storage Store at - 20 °C long term, store at 4 °C short term. Avoid repeated freeze-thaw cycles.

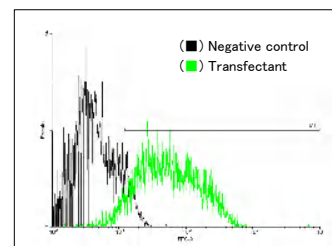
Application WB,FCM

ELISA	WB	IHC	ICC
-	1.0	-	-
IP	FCM	IF	Neutralization
-	1.0	-	-

(µg/mL)



[WB] CD97 transfected 293T cell lysate



[FCM] CD97 expressing 293 cells

Reference

1. Hamann J., et al. "Expression cloning and chromosomal mapping of the leukocyte activation antigen CD97, a new seven-span transmembrane molecule of the secretion receptor superfamily with an unusual extracellular domain." J. Immunol. 155:1942-1950(1995)
2. Hamann J., et al. "Structure of the human CD97 gene: exon shuffling has generated a new type of seven-span transmembrane molecule related to the secretin receptor superfamily." Genomics 32:144-147(1996)
3. Gray J.X., et al. "CD97 is a processed, seven-transmembrane, heterodimeric receptor associated with inflammation." J. Immunol.

UniPlot Summary

//Function: Receptor potentially involved in both adhesion and signaling processes early after leukocyte activation. Plays an essential role in leukocyte migration.

//Subcellular location: Cell membrane; Multi-pass membrane protein.

//Tissue specificity: Broadly expressed, found on most hematopoietic cells, including activated lymphocytes, monocytes, macrophages, dendritic cells, and granulocytes. Expressed also abundantly by smooth muscle cells. Expressed in thyroid, colorectal, gastric, esophageal and pancreatic carcinomas too. Expression are increased under inflammatory conditions in the CNS of multiple sclerosis and in synovial tissue of patients with rheumatoid arthritis. Increased expression of CD97 in the synovium is accompanied by detectable levels of soluble CD97 in the synovial fluid.

//Sequence similarities: Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 5 EGF-like domains. Contains 1 GPS domain.