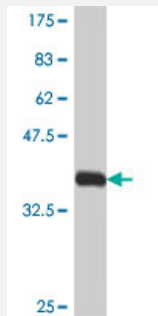


CD97 polyclonal antibody (A01)

Catalog # H00000976-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.1 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CD97.
Immunogen	CD97 (NP_510966, 421 a.a. ~ 529 a.a) partial recombinant protein with GST tag.
Sequence	KKQAELEEYESSIRGVQLRRLSAVNSIFLSHNNTKELNSPILFAFSHLESSDGEAGRDPPAKDVM PGPRQELLCAFWKSDSDRGGHWATEGCQVLGSKNGSTTCQCSH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (38); Rat (35)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CD97

Entrez GeneID [976](#)

GeneBank Accession# [NM_078481](#)

Protein Accession# [NP_510966](#)

Gene Name CD97

Gene Alias TM7LN1

Gene Description CD97 molecule

Omim ID [601211](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene is a member of the EGF-TM7 family of class II seven-span transmembrane (7-TM) molecules, likely encoded by a gene cluster on the short arm of chromosome 19. The encoded product is a glycoprotein that is present on the surface of most activated leukocytes and spans the membrane seven times, which is a defining feature of G protein-coupled receptors. The protein has an extended extracellular region with several N-terminal epidermal growth factor (EGF)-like domains, which mediate binding to its cellular ligand, decay accelerating factor (DAF, CD55), a regulatory protein of the complement cascade. The presence of structural features characteristic of extracellular matrix proteins and transmembrane proteins suggests that this protein is a receptor involved in both cell adhesion and signaling processes early after leukocyte activation. Alternative splicing has been observed for this gene and three variants have been found. [provided by RefSeq]

Other Designations

CD97 antigen|leukocyte antigen CD97|seven transmembrane helix receptor|seven-span transmembrane protein|seven-transmembrane, heterodimeric receptor associated with inflammation

Publication Reference

- [Effects of targeted CD97 immune epitopes small interference RNA on cellular biological behaviors in MDA-MB231 malignant breast cancer cell line.](#)

Tian H, Chen Y, Zhao JG, Liu DR, Gong WH, Chen L, Wu YL, Wang JA.

American Journal of Translational Research 2017 Oct; 9(10):4640.

Application: WB-Ce, Human, MCF-7, MDA-MB231, MDA-468, T47D cells

- [The invasion and metastasis promotion role of CD97 small isoform in gastric carcinoma.](#)

Liu D, Trojanowicz B, Ye L, Li C, Zhang L, Li X, Li G, Zheng Y, Chen L.

PLoS One 2012 Jun; 7(6):e39989.

Application: WB, Human, AGS, BGC-823, MGC-801, SGC-7901 cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Kidney Failure](#)