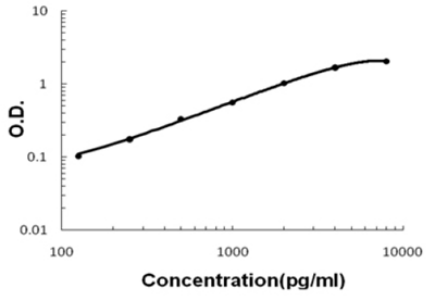
CD97 (Human) ELISA Kit

Catalog # KA5097 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CD97 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detecti on of human CD97 in cell culture supernates, cell lysates, serum and plasma (heparin, EDTA).
Suitable Sample	Cell culture supernates, cell lysates, serum and plasma (heparin, EDTA)
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	125 to 8000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for six months. For long term storage store at -20°C. Avoid repeated freezing and thawing.

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Applications

- Quantification

Gene Info — CD97

Entrez GeneID	976
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

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Kidney Failure

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