

Human CD97 ELISA Kit | CD97 elisa kit

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CATALOG #
AAA263017

REACTIVITY
Human

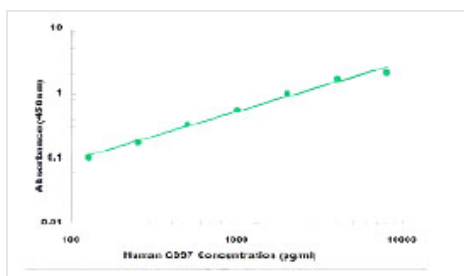
PRODUCT SYNONYMS

CD97; Human CD97 ELISA Kit; CD97 antigen; Leukocyte antigen CD97; CD97 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD97 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD97 proteins within the range of 125 pg/ml - 8000 pg/ml.
Sequence Length	786
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD97 elisa kit

Principle of the Assay: The Human CD97 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD97 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human CD97 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD97 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD97 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD97 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Cluster of differentiation 97 is a protein also known as BL-Ac [F2] encoded by the ADGRE5 gene. The CD97 gene is mapped to 19p13.2-p13.12 by fluorescence in situ hybridization. In the immune system, CD97 is known as a critical mediator of host defense. Upon lymphoid, myeloid cells and neutrophil activation, CD97 is upregulated to promote adhesion and migration to sites of inflammation. Moreover, it has been shown that CD97 regulates granulocyte homeostasis. CD97 is expressed at the sarcoplasmic reticulum and the peripheral sarcolemma in skeletal muscle. However, lack of CD97 only affects the structure of the sarcoplasmic reticulum, but not the function of skeletal muscle.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68508955
NCBI GeneID	976
NCBI Accession #	NP_001020331.1
NCBI GenBank Nucleotide #	NM_001025160.2
UniProt Accession #	P48960; O00718; O76101; Q8NG72; Q8TBQ7; A8K7Z4; B2RBJ9
Molecular Weight	86,628 Da
NCBI Official Full Name	CD97 antigen isoform 3 preproprotein
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor E5
NCBI Official Symbol	ADGRE5
NCBI Official Synonym Symbols	CD97; TM7LN1
NCBI Protein Information	CD97 antigen
UniProt Protein Name	CD97 antigen
UniProt Gene Name	CD97
UniProt Entry Name	CD97_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/cd97/263017>