

Human CD97 AccuSignal ELISA Kit - KOA0846

Code: KOA0846

Size: 1 Kit

Product Description: Human CD97 AccuSignal ELISA Kit - KOA0846

PhysicalState:

Label	Unconjugated
Gene Name	ADGRE5
Species Reactivity	Human
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	CD 97, CD_antigen=CD97, CD97, CD97 antigen, CD97 antigen subunit beta, CD97 molecule, CD97_HUMAN, Leukocyte antigen CD97, Seven span transmembrane protein, Seven transmembrane helix receptor, Seven transmembrane heterodimeric receptor associated with inflammation, TM7LN 1, TM7LN1
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml human CD97 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human CD97 standard solution and each sample be measured in duplicate.
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.
Purity And Specificity	Natural and recombinant human CD97. There is no detectable cross-reactivity with other relevant proteins.
ELISA	125pg/ml-8000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: NSO; Immunogen sequence: Q21-Q398
Anti-Coagulant	Heparin Sodium

Related Products

200-401-908	Anti-CD97 (RABBIT) Antibody - 200-401-908
MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013

Related Links

UniProtKB - P48960

<http://www.uniprot.org/uniprot/P48960>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_001020331.1

NP_001020331.1

GeneID - 976

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=976>

Disclaimer

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