

ARG81572 Human CD97 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81572-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81572-002	Standard	2 X 10 ng/vial	4°C
ARG81572-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81572-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81572-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81572-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81572-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81572-008	25X Wash buffer	20 ml	4°C
ARG81572-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81572-010	STOP solution	10 ml (Ready to use)	4°C
ARG81572-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81572 Human CD97 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD97 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD97
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.1%
Alternate Names	CD97; Leukocyte antigen CD97; CD97 antigen; CD antigen CD97; TM7LN1

Application Instructions

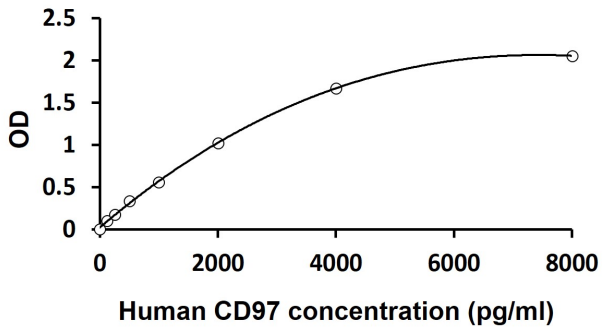
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ADGRE5
Gene Full Name	adhesion G protein-coupled receptor E5
Background	This gene encodes a member of the EGF-TM7 subfamily of adhesion G protein-coupled receptors, which mediate cell-cell interactions. These proteins are cleaved by self-catalytic proteolysis into a large extracellular subunit and seven-span transmembrane subunit, which associate at the cell surface as a receptor complex. The encoded protein may play a role in cell adhesion as well as leukocyte recruitment, activation and migration, and contains multiple extracellular EGF-like repeats which mediate binding to chondroitin sulfate and the cell surface complement regulatory protein CD55. Expression of this gene may play a role in the progression of several types of cancer. Alternatively spliced transcript variants encoding multiple isoforms with 3 to 5 EGF-like repeats have been observed for this gene. This gene is found in a cluster with other EGF-TM7 genes on the short arm of chromosome 19. [provided by RefSeq, Jun 2011]
Function	Receptor potentially involved in both adhesion and signaling processes early after leukocyte activation. Plays an essential role in leukocyte migration (By similarity). [UniProt]
Highlight	Related products: CD97 antibodies ; CD97 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Proteolytically cleaved into 2 subunits, an extracellular alpha subunit and a seven-transmembrane subunit. [UniProt]



ARG81572 Human CD97 ELISA Kit standard curve image

ARG81572 Human CD97 ELISA Kit results of a typical standard run with optical density reading at 450 nm.