

ARG80160 Human CD255 / TWEAK ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80160-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80160-002	Standard (Lyophilized)	3 X 1 ng/vial	4°C
ARG80160-003	Standard diluent buffer	20 ml	4°C
ARG80160-004	Antibody conjugate concentrate	400 µl	4°C
ARG80160-005	Antibody diluent buffer	16 ml	4°C
ARG80160-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80160-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80160-008	20X Wash buffer	50 ml	4°C
ARG80160-009	TMB substrate	12ml	4°C (Protect from light)
ARG80160-010	STOP solution	12ml	4°C
ARG80160-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80160 Human CD255 / TWEAK ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD255 / TWEAK in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Human EDA-A2, APRIL, LIGHT TNF- alpha 4-1BB/Fc Chimera, Fas Ligand TRANCE OX40 Ligand, GITR Ligand TRAIL
Target Name	CD255 / TWEAK
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	7.8 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	15.6 - 1000 pg/ml

Sample Volume	100 µl
Precision	CV: less than 10%
Alternate Names	APO3L; DR3LG; TWEAK; TNLG4A

Application Instructions

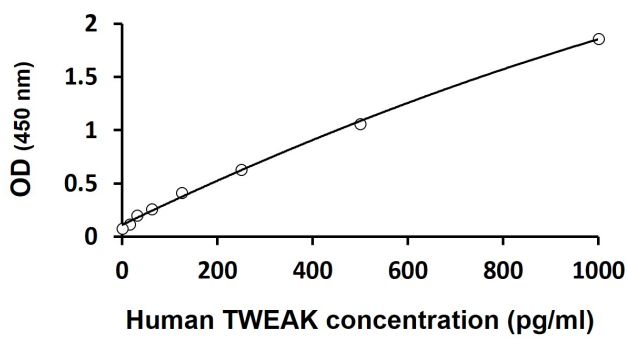
Assay Time	4 hours
------------	---------

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

Database links	GeneID: 8742 Human Swiss-port # O43508 Human
Gene Symbol	TNFSF12
Gene Full Name	TNF superfamily member 12
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine, which exists in both membrane-bound and secreted forms, can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. Alternative splicing results in multiple transcript variants. Some transcripts skip the last exon of this gene and continue into the second exon of the neighboring TNFSF13 gene; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13. [provided by RefSeq, Oct 2010]
Function	Binds to FN14 and possibly also to TNFSF12/APO3. Weak inducer of apoptosis in some cell types. Mediates NF-kappa-B activation. Promotes angiogenesis and the proliferation of endothelial cells. Also involved in induction of inflammatory cytokines. Promotes IL8 secretion. [UniProt]
Highlight	Related products: CD255 antibodies; CD255 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cancer kit; Cell Biology and Cellular Response kit; Cell Death kit
Cellular Localization	Plasma membrane; Extracellular region or secreted. [UniProt]



ARG80160 Human CD255 / TWEAK ELISA Kit standard curve image

ARG80160 Human CD255 / TWEAK ELISA Kit results of a typical standard run with optical density reading at 450 nm.