

ARG81832 Rat CD255 / TWEAK ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81832-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81832-002	Standard	2 X 10 ng/vial	4°C
ARG81832-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81832-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81832-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81832-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81832-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81832-008	25X Wash buffer	20 ml	4°C
ARG81832-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81832-010	STOP solution	10 ml (Ready to use)	4°C
ARG81832-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81832 Rat CD255 / TWEAK ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CD255 / TWEAK in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD255 / TWEAK
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3%; Inter-Assay CV: 6.3%
Alternate Names	APO3L; DR3LG; TWEAK; TNLG4A

Application Instructions

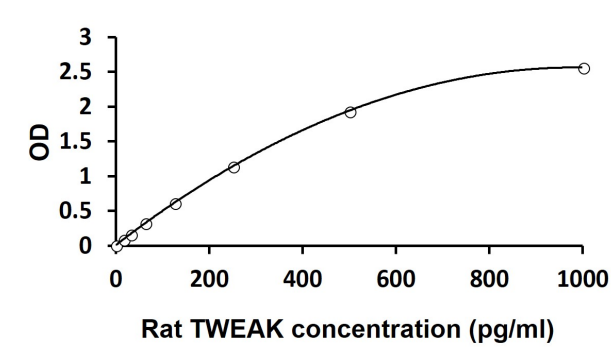
Assay Time	~ 5 hours
------------	-----------

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

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
Cellular Localization	Plasma membrane; Extracellular region or secreted. [UniProt]



ARG81832 Rat CD255 / TWEAK ELISA Kit standard curve image

ARG81832 Rat CD255 / TWEAK ELISA Kit results of a typical standard run with optical density reading at 450 nm.