

ARG82634 Mouse CD253 / TRAIL ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82634-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82634-002	Standard (Lyophilized)	2 X 10 ng/vial	4°C
ARG82634-003	Standard/Sample diluent	30 ml	4°C
ARG82634-004	Antibody conjugate concentrate (100X)	1 vial (120 µl)	4°C
ARG82634-005	Antibody diluent buffer	12 ml	4°C
ARG82634-006	HRP-Streptavidin concentrate (100X)	1 vial (120 µl)	4°C
ARG82634-007	HRP-Streptavidin diluent buffer	12 ml	4°C
ARG82634-008	Wash Buffer (20X)	30 ml	4°C
ARG82634-009	TMB substrate	12 ml	4°C (Protect from light)
ARG82634-010	STOP solution	12 ml	4°C
ARG82634-011	Plate sealer	3 strips	Room temperature

Summary

Product Description	ARG82634 Mouse CD253 / TRAIL ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD253 / TRAIL in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	No detectable cross-reactivity with other relevant proteins.
Target Name	CD253 / TRAIL
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	7.8 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl

Alternate Names TL2; CD253; Protein TRAIL; TNF-related apoptosis-inducing ligand; TRAIL; CD antigen CD253; Apo-2 ligand; Apo-2L; APO2L; Tumor necrosis factor ligand superfamily member 10

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

Gene Symbol TNFSF10

Gene Full Name tumor necrosis factor (ligand) superfamily, member 10

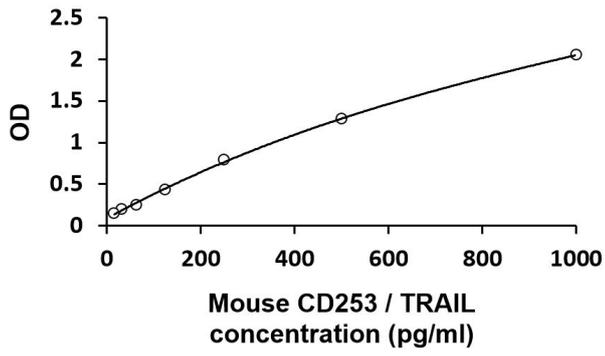
Background The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Function Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis. [UniProt]

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PTM Tyrosine phosphorylated by PKDCC/VLK. [UniProt]

Cellular Localization Membrane; Single-pass type II membrane protein. [UniProt]



ARG82634 Mouse CD253 / TRAIL ELISA Kit standard curve image

ARG82634 Mouse CD253 / TRAIL ELISA Kit results of a typical standard run with optical density reading at 450 nm.