

ARG82088 Mouse TNFSF18 / GITRL ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82088-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82088-002	Standard	2 X 10 ng/vial	4°C
ARG82088-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82088-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82088-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82088-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82088-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82088-008	25X Wash buffer	20 ml	4°C
ARG82088-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82088-010	STOP solution	10 ml (Ready to use)	4°C
ARG82088-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82088 Mouse TNFSF18 / GITRL ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse TNFSF18 / GITRL in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TNFSF18 / GITRL
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.4%; Inter-Assay CV: 6.9%
Alternate Names	TL6; AITRL; Glucocorticoid-induced TNF-related ligand; Tumor necrosis factor ligand superfamily member 18; hGITRL; Activation-inducible TNF-related ligand; GITRL

Application Instructions

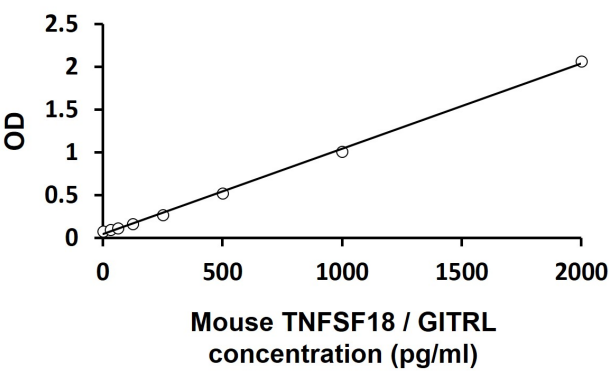
Assay Time	~ 5 hours
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Properties

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	TNFSF18
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 18
Background	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptor TNFRSF18/AITR/GITR. It has been shown to modulate T lymphocyte survival in peripheral tissues. This cytokine is also found to be expressed in endothelial cells, and is thought to be important for interaction between T lymphocytes and endothelial cells. [provided by RefSeq, Jul 2008]
Function	Cytokine that binds to TNFRSF18/AITR/GITR. Regulates T-cell responses. Can function as costimulator and lower the threshold for T-cell activation and T-cell proliferation. Important for interactions between activated T-lymphocytes and endothelial cells. Mediates activation of NF-kappa-B. Triggers increased phosphorylation of STAT1 and up-regulates expression of VCAM1 and ICAM1. Promotes leukocyte adhesion to endothelial cells. Regulates migration of monocytes from the splenic reservoir to sites of inflammation (By similarity). [UniProt]
Highlight	Related products: TNFSF antibodies ; TNFSF ELISA Kits ; TNFSF Duos / Panels ; TNFSF recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cell membrane; Single-pass type II membrane protein. [UniProt]



ARG82088 Mouse TNFSF18 / GITRL ELISA Kit standard curve image

ARG82088 Mouse TNFSF18 / GITRL ELISA Kit results of a typical standard run with optical density reading at 450 nm.