ARG80222
Mouse sRANK Ligand / TNFSF11 / TRANCE ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80222-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80222-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80222-003	Standard diluent buffer	20 ml	4°C
ARG80222-004	Antibody conjugate concentrate	400 µl	4°C
ARG80222-005	Antibody diluent buffer	16 ml	4°C
ARG80222-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80222-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80222-008	20X Wash buffer	50 ml	4°C
ARG80222-009	TMB substrate	12ml	4°C (Protect from light)
ARG80222-010	STOP solution	12ml	4°C
ARG80222-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80222 Mouse sRANK Ligand / TNFSF11 / TRANCE ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse sRANK Ligand / TNFSF11 / TRANCE in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	No significant cross-reactivity or interference with Mouse C10 MIP-1, JE MIP-1 , KC□human GRO beta, GRO gamma, RANTES
Target Name	sRANK Ligand / TNFSF11 / TRANCE
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	31.25 - 2000 pg/ml

Sample Volume	100 µl
Precision	CV: less than10%
Alternate Names	TRANCE; Osteoprotegerin ligand; CD254; sOdf; Receptor activator of nuclear factor kappa-B ligand; OPTB2; RANKL; OPGL; Tumor necrosis factor ligand superfamily member 11; hRANKL2; TNF-related activation-induced cytokine; Osteoclast differentiation factor; ODF; CD antigen CD254

Application Instructions

Assay Time	4 hours

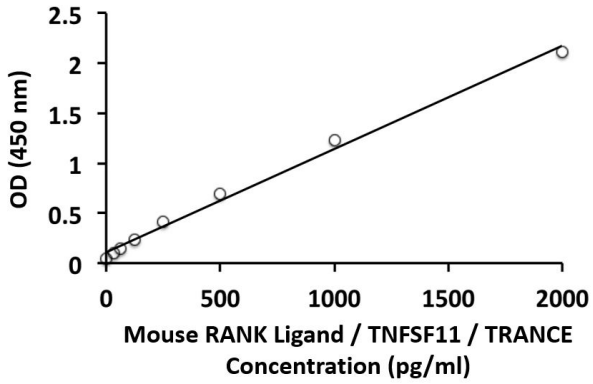
Properties

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: 21943 Mouse Swiss-port # O35235 Mouse
Gene Symbol	Tnfsf11
Gene Full Name	tumor necrosis factor (ligand) superfamily, member 11
Background	This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. This protein was shown to be a dentritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two alternatively spliced tra
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Research Area	Cell Biology and Cellular Response kit; Immune System kit
PTM	The soluble form of isoform 1 derives from the membrane form by proteolytic processing (By similarity). The cleavage may be catalyzed by ADAM17.

Images



ARG80222 Mouse RANK Ligand / TNFSF11 / TRANCE ELISA Kit standard curve image

ARG80222 Mouse RANK Ligand / TNFSF11 / TRANCE ELISA Kit results of a typical standard run with optical density reading at 450 nm.