

## ARG81870 Rat RANK ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81870-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81870-002	Standard	2 X 10 ng/vial	4°C
ARG81870-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81870-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81870-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81870-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81870-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81870-008	25X Wash buffer	20 ml	4°C
ARG81870-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81870-010	STOP solution	10 ml (Ready to use)	4°C
ARG81870-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81870 Rat RANK ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat RANK in serum and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	RANK
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.5%; Inter-Assay CV: 7.5%
Alternate Names	ODFR; Osteoclast differentiation factor receptor; OFE; FEO; CD265; PDB2; CD antigen CD265; RANK; Receptor activator of NF-KB; OPTB7; Tumor necrosis factor receptor superfamily member 11A; TRANCER; LOH18CR1; OSTs

## Application Instructions

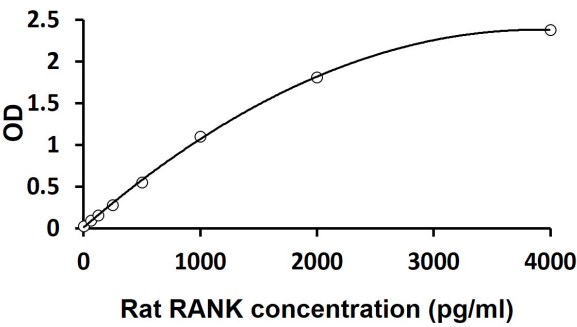
Assay Time	~ 5 hours
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## Properties

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	TNFRSF11A
Gene Full Name	tumor necrosis factor receptor superfamily, member 11a, NFKB activator
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Mutations at this locus have been associated with familial expansile osteolysis, autosomal recessive osteopetrosis, and Paget disease of bone. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2012]
Function	Receptor for TNFSF11/RANKL/TRANCE/OPGL; essential for RANKL-mediated osteoclastogenesis. Involved in the regulation of interactions between T-cells and dendritic cells. [UniProt]
Highlight	Related products: <a href="#">RANK antibodies</a> ; <a href="#">RANK ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>



ARG81870 Rat RANK ELISA Kit standard curve image

ARG81870 Rat RANK ELISA Kit results of a typical standard run with optical density reading at 450 nm.