

## Human RANK / TNSFRSF11A ELISA Kit | RANK / TNSFRSF11A elisa kit

RANK / TNSFRSF11A Human ELISA Kit

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| CATALOG #<br><b>AAA59025</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|------------------------------|----------------------------|------------------------------|

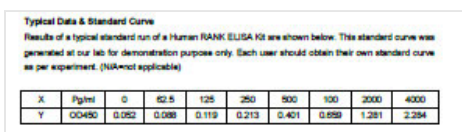
### PRODUCT SYNONYMS

RANK / TNSFRSF11A; RANK / TNSFRSF11A Human ELISA Kit; Human RANK / TNSFRSF11A; RANK / TNSFRSF11A elisa kit

### PRODUCT SPECIFICATIONS

|                                                         |                                                                      |
|---------------------------------------------------------|----------------------------------------------------------------------|
| Reactivity                                              | Human                                                                |
| Assay Type                                              | Sandwich                                                             |
| Detection Range                                         | 62.5 pg/ml-4000 pg/ml                                                |
| Sensitivity                                             | < 2 pg/ml                                                            |
| Applicable Applications for RANK / TNSFRSF11A elisa kit | ELISA                                                                |
| Preparation and Storage                                 | Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for RANK / TNSFRSF11A elisa kit

Principle of the assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-RANK polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-RANK polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the RANK amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of RANK can be calculated.

**Background:** Receptor Activator of Nuclear Factor kappa B (RANK), also known as TRANCE Receptor, is a type I membrane protein. It is expressed on the surface of osteoclasts, dendritic cells and facilitates immune signaling. RANK is involved in their activation upon ligand binding. RANKL (Receptor Activator for Nuclear Factor kappa B Ligand) is found on the surface of stromal cells, osteoblasts, and T cells. RANKL and RANK have an essential role in the brain. RANK and RANKL appear to be important regulators of interactions between T cells and dendritic cells.

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.