

Human Soluble Receptor Activator Of Nuclear Factor-kB Ligand (sRANKL) ELISA Kit | sRANKL elisa kit

Human Soluble Receptor Activator Of Nuclear Factor-kB Ligand (sRANKL) ELISA Kit

CATALOG # AAA330428	REACTIVITY Human
-------------------------------	----------------------------

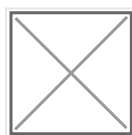
PRODUCT SYNONYMS

Soluble Receptor Activator Of Nuclear Factor-kB Ligand (sRANKL); Human Soluble Receptor Activator Of Nuclear Factor-kB Ligand (sRANKL) ELISA Kit; TNFSF11; CD254; ODF; OPGL; OPTB2; RANKL; TRANCE; hRANKL2; sOdf; OTTHUMP00000178585; TNF-related activation-induced cytokine; osteoclast differentiation factor; osteoprotegerin ligand; receptor activator of nucle; sRANKL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Soluble receptor activator of nuclear factor-kB ligand (sRANKL) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNFSF11. No significant cross-reactivity or interference between Human TNFSF11 and analogues was observed.
Sequence Length	317
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Soluble receptor activator of nuclear factor-kB ligand (sRANKL) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for sRANKL elisa kit	Description: This Human Soluble receptor activator of nuclear factor-kB ligand (sRANKL) ELISA Kit employs a two-site sandwich ELISA to quantitate TNFSF11 in samples. An antibody specific for TNFSF11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNFSF11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFSF11 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TNFSF11 bound in the initial step. The color development is stopped and the intensity of the color is measured. 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 dendritic 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 transcript variants have been found.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507595
NCBI GeneID	8600
NCBI Accession #	NP_003692.1
NCBI GenBank Nucleotide #	NP_003692.1
UniProt Accession #	O14788
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 11 isoform 1
NCBI Official Synonym Full Names	TNF superfamily member 11
NCBI Official Symbol	TNFSF11
NCBI Official Synonym Symbols	ODF; OPGL; sOdf; CD254; OPTB2; RANKL; TNLG6B; TRANCE; hRANKL2
NCBI Protein Information	tumor necrosis factor ligand superfamily member 11
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 11
UniProt Gene Name	TNFSF11
UniProt Synonym Gene Names	OPGL; RANKL; TRANCE; ODF; OPGL; RANKL; TRANCE
UniProt Entry Name	TNF11_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/soluble-receptor-activator-of-nuclear-factor-kb-ligand-srankl/330428>