

Human Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) CLIA Kit | RANKL clia kit

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CATALOG # AAA188992	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL); Human Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) CLIA Kit; Receptor Activator Of Nuclear Factor Kappa B Ligand; CD254; TNFSF11; ODF; OPGL; TRANCE; HRANKL2; SODf; Tumor Necrosis Factor(ligand)superfamily Member 11; TNF-related activation-induced cytokine; RANKL clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL). No significant cross-reactivity or interference between Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) and analogues was observed.
Sequence Length	317
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	41.2-30,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 19.3pg/mL
Applicable Applications for RANKL clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Receptor Activator Of Nuclear Factor Kappa B Ligand (RANKL) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/receptor-activator-of-nuclear-factor-kappa-b-ligand-rankl/188992>