Human RANκL Antibody Pair Set

Catalog No. E-KAB-0694 **Applications** ELISA
Synonyms TNFSF11;TRANCE;RANKL;CD254;ODF;OPGL;OPTB2;hRANKL2;sOdf

Kit components & Storage

Title	Specifications	Storage
Human RANκL Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze / thaw cycles.
Human RANκL Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0694)	
		Human RANκL Capture Antibody	Human RANκL Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human RANκL protein	Recombinant Human RANκL protein
	Swissprot	O14788	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Affinity purification	Affinity purification
	Specificity	Detects Human RANκL in ELISAs.	

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
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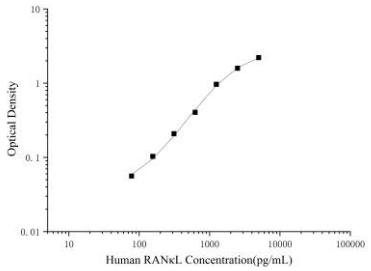
Applications

Human RANκL Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4ug/mL	Human RANκL Capture Antibody	
ELISA Detection	1:1000-1:10000	Human RANκL Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

RANKL gene encodes a type II membrane protein of 316 amino acids with a predicted molecular mass of 35 kD. RANKL is cleaved to produce a soluble form with biological activity. The shedding of membrane-bound RANKL appears to be mediated by expression of MMP14 and ADAM10. Suppression of MMP14 in primary osteoblasts increases membrane-bound RANKL and promotes osteoclastogenesis in cocultures with macrophages. Therefore,RANKL shedding seems to be an important process that down-regulates local osteoclastogenesis. Alternatively,an increased production of RANKL by osteoblastic cells leads to osteoclast differentiation,activation,and survival,which results in increased bone resorption. Binding of RANKL to its receptor RANK activates TNF receptor-associated factor 6 (TRAF6),which is linked to downstream pathways including NF-κB,c-jun N-terminal kinase (JNK) or Src.

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