

ARG43137 anti-RANK antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RANK
Tested Reactivity	Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RANK
Species	Mouse
Immunogen	Recombinant protein corresponding to Q30-R203 of Mouse RANK.
Conjugation	Un-conjugated
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; OST5

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 75 kDa	

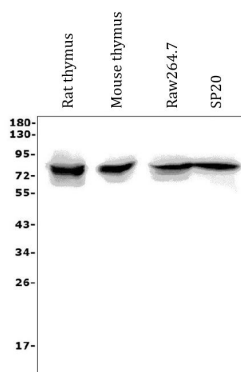
Properties

Form	Liquid
Purification	Immunogen affinity purified.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

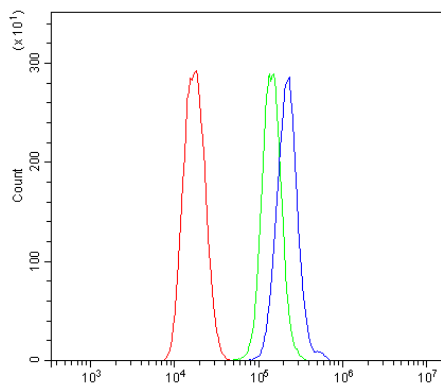
Gene Symbol	TNFRSF11A
Gene Full Name	tumor necrosis factor receptor superfamily, member 11a, NFKB activator
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation 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]
Calculated Mw	67 kDa
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform RANK-e5a: Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



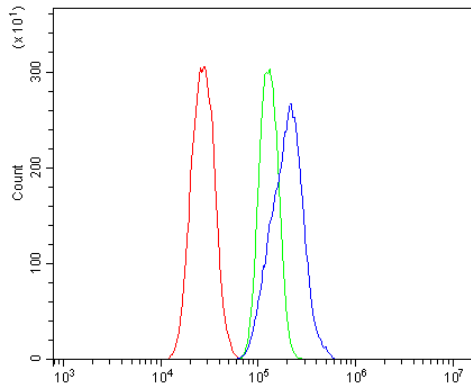
ARG43137 anti-RANK antibody WB image

Western blot: 50 µg of sample under reducing conditions. Rat thymus, Mouse thymus, Raw264.7 and SP20 whole cell lysates stained with ARG43137 anti-RANK antibody at 0.5 µg/ml dilution, overnight at 4°C.



ARG43137 anti-RANK antibody FACS image

Flow Cytometry: HEPA1-6 cells were blocked with 10% normal goat serum and then stained with ARG43137 anti-RANK antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG43137 anti-RANK antibody FACS image

Flow Cytometry: RH-35 cells were blocked with 10% normal goat serum and then stained with ARG43137 anti-RANK antibody (blue) at 1 $\mu\text{g}/10^6$ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 $\mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.