

Product datasheet for TA336475

RANKL (TNFSF11) Mouse Monoclonal Antibody [Clone ID: 12A380]

Product data:

Product Type:	Primary Antibodies
Clone Name:	12A380
Applications:	WB
Recommend Dilution:	WB: 4-6 ug/ml, FC: 1:10-1:1000, IHC: 1:10-1:500, IHC-F: 1:10-1:500
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	A bacterially expressed fusion protein containing amino acid residues 1-317 of mouse TRANCE was used as immunogen.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	tumor necrosis factor superfamily member 11
Database Link:	NP_003692 Entrez Gene 21943 Mouse Entrez Gene 8600 Human
Background:	TRANCE/OPGL/RANKL/ODF is a recently identified member of tumor necrosis factor family. TRANCE (TNF-related activation-induced cytokine receptor) or RANKL {receptor activator of NF-kB (RANK) ligand} has been implicated in interactions between T cells and dendritic cells. RANK ligand (RANKL/TRANCE) binds to RANK on dendritic cells, upregulates the expression of anti-apoptotic protein Bcl-XL suggesting a role in dendritic cell survival. TRANCE/RANKL is also important in T- and B-cell maturation. As OPGL/ODF (Osteoprotegerin Ligand/Osteoclast differentiation factor), the same protein can both activate mature osteoclasts and mediate osteoclastogenesis. OPGL/TRANCE deficient mice show severe osteoporosis and complete absence of osteoclasts as a result of lack of osteogenesis.
Synonyms:	CD254; hRANKL2; ODF; OPGL; OPTB2; RANKL; sOdf; TRANCE
Note:	Flow Cytometry (Surface): please see Yoneda et al. 2004 for details. Immunohistochemistry-Frozen: please see Yoneda et al. 2004 for details.

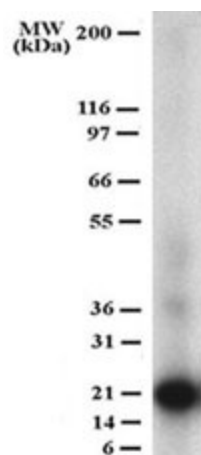


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Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Product images:



Western Blot: RANKL Antibody (12A380)
TA336475 - Analysis of recombinant RANKL
(partial) probed with RANKL antibody at 1 ug/ml.