

Product datasheet for **TA336475**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	12A380
Applications:	FC, ICC/IF, IHC, WB
Recommended Dilution:	Immunohistochemistry: 1:10-1:500, Immunohistochemistry-Paraffin: 1:50 - 1:250, Flow Cytometry: 1:10-1:1000, Western Blot: 4-6 ug/ml, Flow (Cell Surface), Immunohistochemistry-Frozen: 1:10-1:500, Immunocytochemistry/ Immunofluorescence
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:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor superfamily member 11
Database Link:	NP_003692 Entrez Gene 21943 Mouse Entrez Gene 8600 Human O14788



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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- κ B (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.

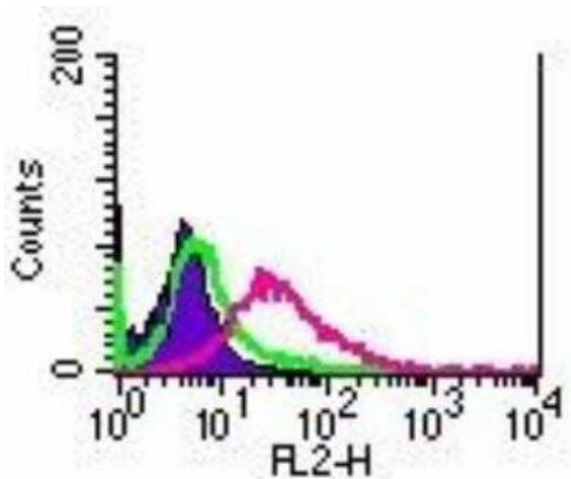
Synonyms: CD254; hRANKL2; ODF; OPGL; OPTB2; RANKL; sOdf; TRANCE

Note: Flow Cytometry (Surface): please see Yoneda et al. 2004 for details. Immunohistochemistry-Frozen: please see Yoneda et al. 2004 for details.

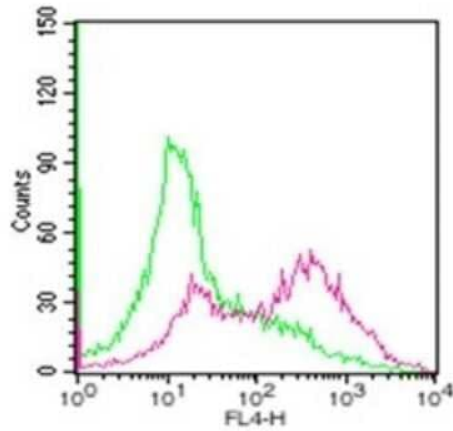
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

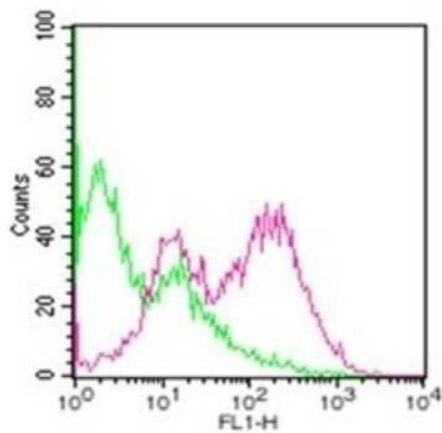
Product images:



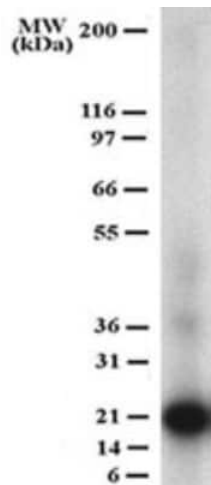
Immunohistochemistry-Frozen:
TRANCE/TNFSF11/RANK L Antibody (12A380)
TA336475 - Analysis in RAW cells using 2 ug of
antibody. Shaded histogram represents cells
without antibody; green represents isotype
control antibody; purple represents antibody.
Image using the PE format of this antibody.



Flow Cytometry: TRANCE/TNFSF11/RANK L Antibody (12A380) TA336475 - Analysis using the Alexa Fluor (R) 647 conjugate of TA336475. Staining of RANKL in untreated mouse splenocytes (green) and 72 hour ConA-stimulated mouse splenocytes (red) using this antibody. 1 ug of RANKL antibody was used for this assay.



Flow Cytometry: TRANCE/TNFSF11/RANK L Antibody (12A380) TA336475 - Analysis using the Alexa Fluor (R) 488 conjugate of TA336475. Staining of RANKL in untreated mouse splenocytes (green) and 72 hour ConA-stimulated mouse splenocytes (red) using this antibody. 1 ug of RANKL antibody was used for this assay.



Western Blot: TRANCE/TNFSF11/RANK L Antibody (12A380) TA336475 - Analysis of recombinant RANKL (partial) probed with RANKL antibody at 1 ug/ml.