

Product Datasheet

TRANCE/TNFSF11/RANK L Antibody (12A380) - BSA Free NB100-56748

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-56748

TRANCE/TNFSF11/RANK L Antibody (12A380) - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	12A380
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description

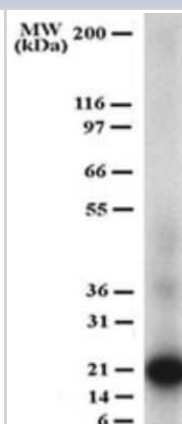
Host	Mouse
Gene ID	8600
Gene Symbol	TNFSF11
Species	Human, Mouse
Immunogen	A bacterially expressed fusion protein containing amino acid residues 1-317 of mouse TRANCE was used as immunogen.

Product Application Details

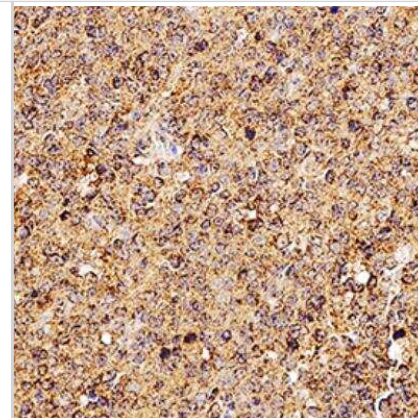
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 4-6 ug/ml, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence reported in scientific literature (PMID 14726437), Immunohistochemistry-Paraffin 1:50 - 1:250, Immunohistochemistry-Frozen 1:10-1:500. Use reported in scientific literature (Yoneda et al (2004)), Flow (Cell Surface) reported in scientific literature (PMID 14726437)

Images

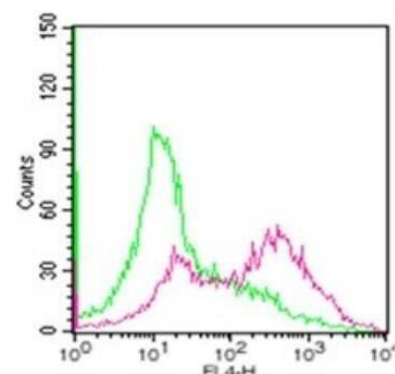
Western Blot: TRANCE/TNFSF11/RANK L Antibody (12A380) [NB100-56748] - Analysis of recombinant RANKL (partial) probed with RANKL antibody at 1 ug/ml.



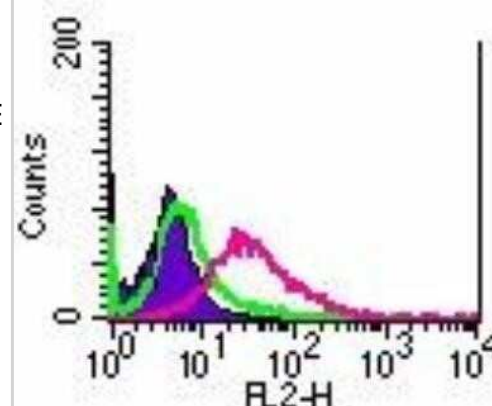
Immunohistochemistry-Paraffin: TRANCE/TNFSF11/RANK L Antibody (12A380) [NB100-56748] - Analysis of FFPE human tonsil using TRANCE (12A380) antibody at 1:50 on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Cytoplasmic staining was observed. Staining was performed by Histowiz.



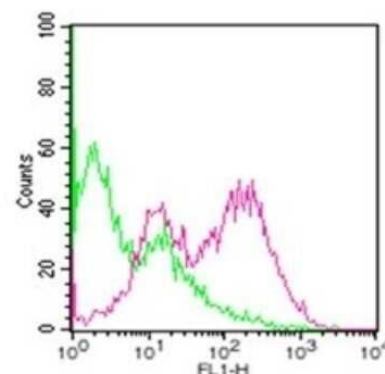
Flow Cytometry: TRANCE/TNFSF11/RANK L Antibody (12A380) [NB100-56748] - Analysis using the Alexa Fluor (R) 647 conjugate of NB100-56748. Staining of RANKL in untreated mouse splenocytes (green) and 72 hour ConA-stimulated mouse splenocytes (red) using this antibody. 1 ug of RANKL antibody was used for this assay.



Immunohistochemistry-Frozen: TRANCE/TNFSF11/RANK L Antibody (12A380) [NB100-56748] - 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) [NB100-56748] - Analysis using the Alexa Fluor (R) 488 conjugate of NB100-56748. 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.



Publications

Lei L, Huang Z, Feng J et al. Loss of receptor tyrosine kinase-like orphan receptor 2 impairs the osteogenesis of mBMSCs by inhibiting signal transducer and activator of transcription 3 Stem Cell Res Ther 2020-03-26 [PMID: 32216811]

Delgado-Calle J, Hancock B, Lükke EF et al. MMP14 is a novel target of PTH signaling in osteocytes that controls resorption by regulating soluble RANKL production. FASEB J 2018-05-01 [PMID: 29401593]

Kragstrup Tue Wenzel, Greisen Stinne Ravn, Nielsen Morten Aagaard et al. The interleukin-20 receptor axis in early rheumatoid arthritis: novel links between disease-associated autoantibodies and radiographic progression. Arthritis Research & Therapy 2016-03-11 [PMID: 26968800] (FLOW, Human)

Details:

This citation used the Azide Free version of this antibody.

Yoneda T, Ishimaru N, Arakaki R et al. Estrogen deficiency accelerates murine autoimmune arthritis associated with receptor activator of nuclear factor-kappa B ligand-mediated osteoclastogenesis. Endocrinology. 2004-05-01 [PMID: 14726437] (IHC-Fr, Flow-CS)

Details:

Flow Cytometry-cell surface staining: Figure 4A; (Immunohistochemistry-frozen sections: Figure 4E) for IMG-185A.

Walker CG, Ito Y, Dangaria S et al. RANKL, osteopontin, and osteoclast homeostasis in a hyperocclusion mouse model. Eur J Oral Sci. 2008-08-01 [PMID: 18705798] (IHC-P, Mouse)

Details:

Trance/RANKL/OPGL/ODF (IMG-185A). IHC (paraffin): Swiss Webster mouse mandible tissue, Fig 4.

Shetty R, Pepin A, Charest A et al. Expression of bone-regulatory proteins in human valve allografts. Heart. 2006-09-01 [PMID: 16449517] (IHC-Fr)





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Products Related to NB100-56748

NBL1-17162	TRANSE/TNFSF11/RANK L Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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