

# Product Datasheet

## RANK/TNFRSF11A Antibody (9A725) - Azide and BSA Free NBP2-33213

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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**NBP2-33213**

RANK/TNFRSF11A Antibody (9A725) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	9A725
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	8792
<b>Gene Symbol</b>	TNFRSF11A
<b>Species</b>	Human, Mouse, Rat, Avian
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID: 24376119). Not yet tested in other species.
<b>Immunogen</b>	A fusion protein containing amino acid residues 326-616 of human RANK was used as immunogen. This antibody recognizes an epitope located between amino acid residues 330-427 of human RANK (NP_003830).
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Flow (Cell Surface), Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1-2 ug/ml, Flow Cytometry 1ul/1 million cells, Immunohistochemistry 1:20-1:1000, Immunohistochemistry-Paraffin 1:10-1:500, Flow (Cell Surface), CyTOF-ready
<b>Application Notes</b>	Bharti et al (2004) and Reigel et al (2012) both published the RANK antibody clone 9A725 for Flow (Cell Surface). However, the epitope range recognized by this antibody is a potential cytoplasmic region as defined by <a href="http://www.uniprot.org">www.uniprot.org</a> . Hence, researchers are encouraged to refer to both the publication and the bioinformatics data bases for additional information in order to make their own determination regarding the suitability of the antibody for cell surface flow cytometry. In RAW cells, a 97 kDa is observed.

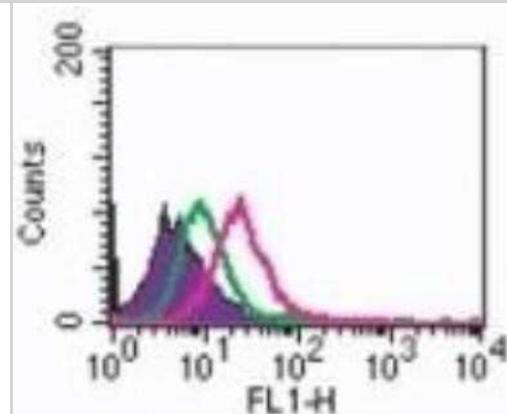


## Images

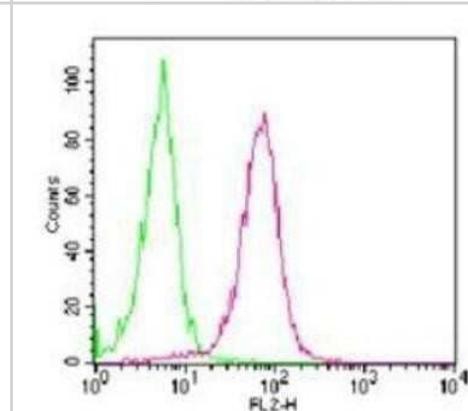
Western Blot: RANK/TNFRSF11A Antibody (9A725) - Azide Free [NBP2-33213] - Analysis of RANK in transfected 293 cells using RANK antibody at 2 ug/ml. Image from the standard format of this antibody.



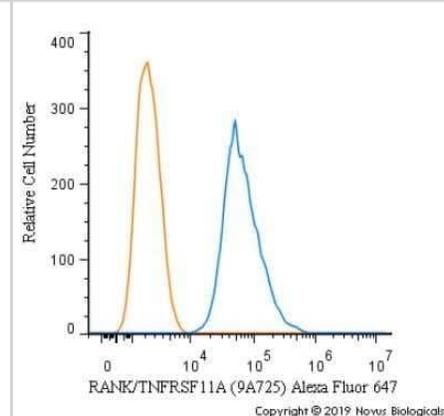
Flow Cytometry: RANK/TNFRSF11A Antibody (9A725) - Azide Free [NBP2-33213] - Intracellular flow cytometry analysis of RANK in  $10^6$  RAW cells using 2 ug of RANK antibody. Shaded histogram represents RAW cells without antibody; green represents isotype control; antibody red represents RANK antibody. Image from the standard format of this antibody.



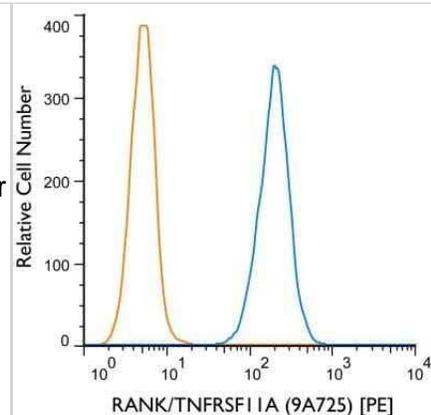
Flow (Cell Surface): RANK/TNFRSF11A Antibody (9A725) - Azide Free [NBP2-33213] - Analysis using the PE conjugate of NB100-56508. Staining of RANK in RAW cells using 0.5 ug of RANK antibody. Green histogram represents isotype control; red represents RANK antibody. Image from the standard format of this antibody.



Flow Cytometry: RANK/TNFRSF11A Antibody (9A725) - Azide Free [NBP2-33213] - An intracellular stain was performed on Raw264.7 cells with RANK/TNFRSF11A [9A725] Antibody NB100-56508AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 647.



Flow Cytometry: RANK/TNFRSF11A Antibody (9A725) - Azide Free [NBP2-33213] - Using the PE direct conjugate An intracellular stain was performed on K-562 cells with RANK/TNFRSF11A (9A725) antibody NB100-56029 (blue) and a matched isotype control NBP1-97005PE (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Phycoerythrin.





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### **Products Related to NBP2-33213**

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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)
NB100-56396PEP	RANK/TNFRSF11A Antibody Blocking Peptide

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### **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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