

RANK Monoclonal Antibody (64C1385.1)

Catalog NumberMA1-41048

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1, lambda	Tested Applications	
Class	Monoclonal	Flow Cytometry (Flow)	5 µg per million cells
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Clone	64C1385.1	Immunoprecipitation (IP)	1-2 µg/mL
Immunogen	Recombinant protein corresponding to the extracellular domain (aa 33-208) of human RANK.	Western Blot (WB)	1-2 µg/mL
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1.0 mg/mL		
Purification	Protein G		
Storage buffer	PBS		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

RANK is a member of the tumor necrosis factor receptor (TNFR) family. The full length mouse RANK cDNA encodes a type I transmembrane protein with an extracellular and a cytoplasmic domain. The extracellular domain contains two potential N-linked glycosylation sites. RANK shares significant amino acid homology with other members of the TNFR family in its extracellular four cysteine-rich repeats. Human and murine RANK share 81% amino acid identity in their extracellular domains.

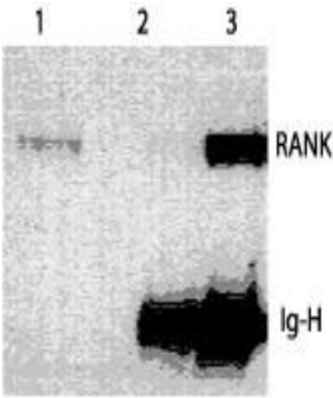
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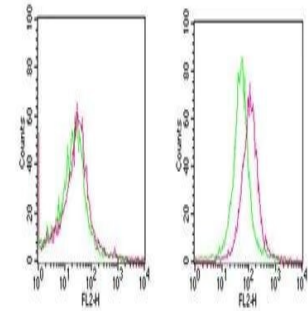
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Product Images For RANK Monoclonal Antibody (64C1385.1)



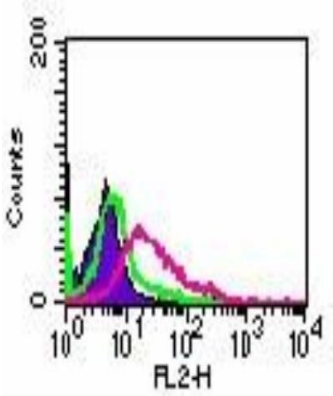
RANK Antibody (MA1-41048) in WB

Western blot analysis of RANK in RAW cells. Samples were incubated in RANK monoclonal antibody (Product # MA1-41048). Lane 1. detection of RANK in RAW, a mouse cell line. Lane 2 & 3. IP/RANK. RANK protein from RAW cell lysate was immunoprecipitated either with control antibody (lane 2) or this antibody.



RANK Antibody (MA1-41048) in Flow

Flow cytometry of RANK in (a) untreated BALB/c mouse splenocytes and (b) BALB/c mouse splenocytes stimulated with 5 µg/mL ConA for 72 hours. Samples were incubated in RANK monoclonal antibody (Product # MA1-41048) using a dilution of 2 µg per 1x10⁶ cells. Green represents isotype control; red represents antibody. Image using the PE format of this antibody.



RANK Antibody (MA1-41048) in Flow

Flow cytometry of RANK in RAW cells. Samples were incubated in RANK monoclonal antibody (Product # MA1-41048) using a dilution of 5.0 µg. Shaded histogram represents cells without antibody; green represents isotype control; purple represents antibody. Image using the PE format of this antibody.

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