Product Datasheet

RANK/Tnfrsf11a Antibody (orb623904)

Catalog Number	orb623904
Category	Antibodies
Description	Anti-RANK/Tnfrsf11a Antibody. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat.
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Mouse, Rat
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Purification	Immunogen affinity purified.
Immunogen	E.coli-derived mouse RANK/Tnfrsf11a recombinant protein (Position: Q30-R203).
UniProt ID	O35305
MW	80 kDa
Tested applications	ELISA, FC, WB
Application notes	Western blot, 0.25-0.5µg/ml, Mouse, Rat Flow Cytometry (Fixed), 1-3µg/1x106 cells, Mouse, Rat ELISA, 0.1-0.5µg/ml, -. Add 0.2ml of distilled water will yield a concentration of 500ug/ml

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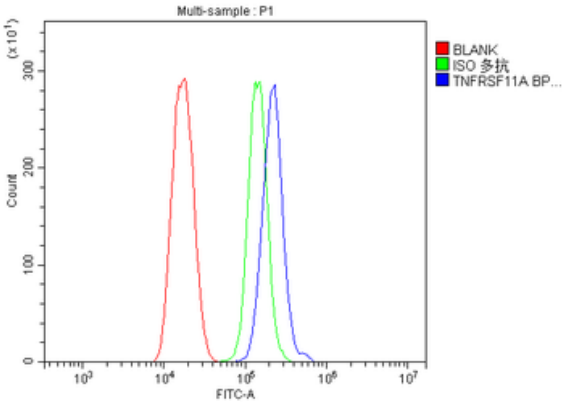
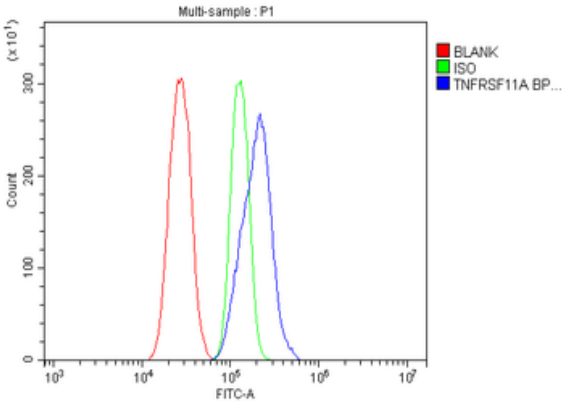
Cross Reactivity	No cross-reactivity with other proteins.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



Flow Cytometry analysis of HEPA1-6 cells using anti-Tnfrsf11a antibody. Overlay histogram showing HEPA1-6 cells (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tnfrsf11a Antibody (1 µg/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



Flow Cytometry analysis of RH-35 cells using anti-Tnfrsf11a antibody. Overlay histogram showing RH-35 cells (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tnfrsf11a Antibody (1 µg/1x10^6 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10 µg/1x10^6 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 µg/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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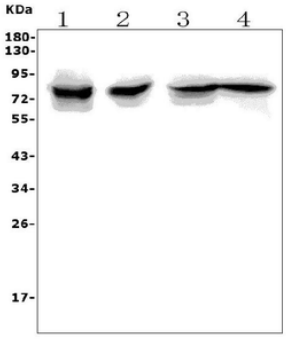

Western blot analysis of Tnfrsf11a using anti-Tnfrsf11a antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: rat thymus tissue lysates, Lane 2: mouse thymus tissue lysates, Lane 3: mouse RAW264.7 whole cell lysates, Lane 4: mouse SP20 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Tnfrsf11a antigen affinity purified polyclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Tnfrsf11a at approximately 80 KD. The expected band size for Tnfrsf11a is at 66 KD.

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