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antibody and ELISA experts

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# Anti-CD30/Tnfrsf8 Picoband™ Antibody

**Catalog Number:** A01225-1

## About Tnfrsf8

CD30, also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. It is mapped to 4 E1; 4 78.17 cM. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

## Overview

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| Product Name | Anti-CD30/Tnfrsf8 Picoband™ Antibody |
| Reactive Species | Mouse, Rat |
| Description | Boster Bio Anti-CD30/Tnfrsf8 Picoband™ Antibody catalog # A01225-1. Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. |
| Application | ELISA, Flow Cytometry, WB |
| Clonality | Polyclonal |
| Formulation | Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg $Na_2HPO_4$, 0.05mg $NaN_3$. |
| Storage Instructions | Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles. |
| Host | Rabbit |
| Uniprot ID | Q60846 |

## Technical Details

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| Immunogen | E.coli-derived mouse CD30/Tnfrsf8 recombinant protein (Position: D22-Q272). |
| Predicted Reactive Species | Human |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Lyophilized |
| | |

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| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.<br>Some PubMed article(s) citing the expression level of this target are as follows:<br>Boster Bio's internal QC testing used:<br>Western blot, 0.25-0.5ug/ml, Mouse, Rat<br>Flow Cytometry, 1-3ug/1x$10^6$ cells, Mouse, Rat<br>Direct ELISA, 0.1-0.5ug/ml, Mouse |

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# Anti-CD30/Tnfrsf8 Picoband™ Antibody (A01225-1) Images

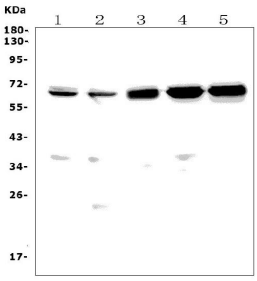


Figure 1. Western blot analysis of Tnfrsf8 using anti-Tnfrsf8 antibody (A01225-1).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: rat spleen tissue lysates,
Lane 2: rat thymus tissue lysates,
Lane 3: mouse thymus tissue lysates,
Lane 4: mouse RAW264.7 whole cell lysates,
Lane 5: mouse SP20 whole cell lysates.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-Tnfrsf8 antigen affinity purified polyclonal antibody (Catalog # A01225-1) at 0.5 ug/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 (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Tnfrsf8 at approximately 65KD. The expected band size for Tnfrsf8 is at 65KD.

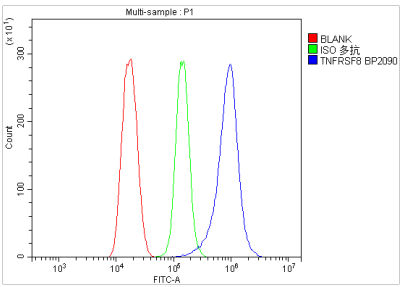


Figure 2. Flow Cytometry analysis of HEPA1-6 cells using anti-Tnfrsf8 antibody (A01225-1).
Overlay histogram showing HEPA1-6 cells stained with A01225-1 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tnfrsf8 Antibody (A01225-1, 1ug/1x$10^6$ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x$10^6$ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x$10^6$) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

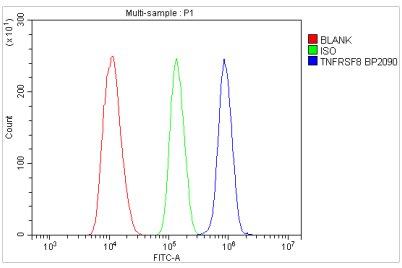


Figure 3. Flow Cytometry analysis of NRK cells using anti-Tnfrsf8 antibody (A01225-1).
Overlay histogram showing NRK cells stained with A01225-1 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Tnfrsf8 Antibody (A01225-1, 1ug/1x$10^6$ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x$10^6$ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x$10^6$) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

## Submit a product review to Biocompare.com

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