Datasheet for ABIN5692818

# anti-TNFRSF13C antibody (AA 1-71)

1 Image

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | TNFRSF13C |
| Binding Specificity: | AA 1-71 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TNFRSF13C antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA |

## Product Details

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| Purpose: | Anti-BAFF Receptor/Tnfrsf13c Antibody Picoband® |
| Immunogen: | E. coli-derived mouse BAFF Receptor recombinant protein (Position: M1-A71). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-BAFF Receptor/Tnfrsf13c Antibody Picoband® (ABIN5692818). Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |

## Target Details

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| Target: | TNFRSF13C |
| Alternative Name: | Tnfrsf13c (TNFRSF13C Products) |
| Background: | Synonyms: Tumor necrosis factor receptor superfamily member 13C, B-cell maturation defect, B-cell-activating factor receptor, BAFF receptor, BAFF-R, BLyS receptor 3, CD268, Tnfrsf13c, Baffr, Bcmd, Br3<br>Tissue Specificity: Highly expressed in spleen and testis, detected at lower levels in lung and thymus.<br>Background: Tumor necrosis factor receptor superfamily member 13C (TNFRSF13C), also known as BAFFR, is a protein in humans is encoded by the TNFRSF13C gene. The BAFFR gene is mapped to chromosome 22q13.1-q13.31. It has got 184 amino acid transmembrane protein which is 56 % identical to the mouse protein. B cell-activating factor (BAFF) enhances B-cell survival in vitro and is a regulator of the peripheral B-cell population. BAFF plays a crucial role in B cell development and can function through receptors other than BCMA. |
| Molecular Weight: | 19 kDa, 40 kDa |
| Gene ID: | 72049 |
| UniProt: | Q9D8D0 |
| Pathways: | NF-kappaB Signaling |

## Application Details

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| Application Notes: | Western blot, 0.1-0.5 µg/mL<br>ELISA, 0.1-0.5 µg/mL<br>1. Thompson JS, Bixler SA, Qian F, Vora K, Scott ML, Cachero TG, Hession C, Schneider P, Sizing ID, Mullen C, Strauch K, Zafari M, Benjamin CD, Tschopp J, Browning JL, Ambrose C (Sep 2001). "BAFF-R, a newly identified TNF receptor that specifically interacts with BAFF". Science 293 (5537): 2108-11. 2. ""Entrez Gene: TNFRSF13C tumor necrosis factor receptor superfamily, member 13C". 3. Schiemann, B., Gommerman, J. L., Vora, K., Cachero, T. G., Shulga-Morskaya, S., Dobles, M., Frew, E., Scott, M. L.An essential role for BAFF in the normal development of B cells through a BCMA-independent pathway.Science293: 2111-2114, 2001. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |

## Handling

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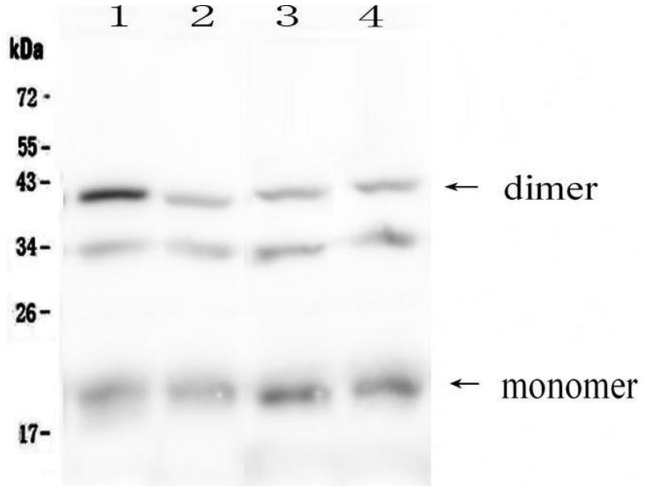
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg $Na_2HPO_4$, 0.05 mg $NaN_3$. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | 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. |

## Images




**Western Blotting**

**Image 1.** Western blot analysis of BAFF Receptor using anti-BAFF Receptor 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 50ug of sample under reducing conditions. Lane 1: rat spleen tissue lysates, Lane 2: rat thymus tissue lysates, Lane 3: mouse spleen tissue lysates, Lane 4: mouse thymus tissue 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-BAFF Receptor antigen affinity purified polyclonal antibody (Catalog # ) 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 1:10000 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 BAFF Receptor at

approximately 19, 40KD. The expected band size for BAFF Receptor is at 19KD.