

## RPCB1300

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**Product Information**

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|---------------------|----------|--------------------|--------|--------------|------|
| <b>Product SKU:</b> | RPCB1300 | <b>Gene ID:</b>    | 287034 | <b>Size:</b> | 10µg |
| <b>Tag:</b>         | N-hFc    | <b>Reactivity:</b> | Rat    |              |      |

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**Additional Information**

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|-------------------------|--------------------|-------------------|--------|
| <b>Expression Host:</b> | -                  | <b>Swissprot:</b> | D3ZKQ8 |
| <b>Purity:</b>          | > 98% by SDS-PAGE. |                   |        |

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**Protein Information**

**Background:** Tumor necrosis factor receptor superfamily, member 17 (TNFRSF17), also known as B cell maturation antigen (BCMA) or CD269 antigen, is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13BB), and to lead to NF- $\kappa$ B and MAPK8/JNK activation. TNFRSF17/BCMA/CD269 also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. TNFRSF17/BCMA/CD269 is a receptor for TALL-1 and BCMA activates NF- $\kappa$ B through a TRAF5-, TRAF6-, NIK-, and IKK-dependent pathway. The identification of TNFRSF17 as a NF- $\kappa$ B-activating receptor for TALL-1 suggests molecular targets for drug development against certain immunodeficient or autoimmune diseases. TNFRSF17/BCMA is a target of donor B-cell immunity in patients with myeloma who respond to DLI. Antibody responses to cell-surface BCMA may contribute directly to tumor rejection in vivo.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Rat TNFRSF17/BCMA/CD269 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 0.1EU/µg of the protein by LAL method

**Formulation:** Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

**Storage:** Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.