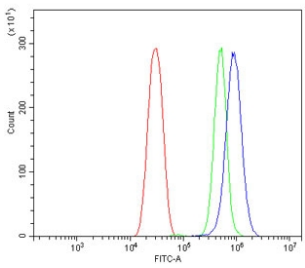
# Tnfrsf17 Antibody / BCMA (RQ5844)

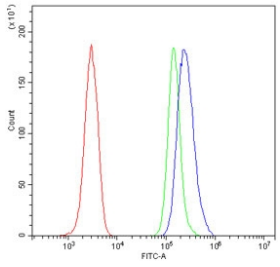
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5844 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

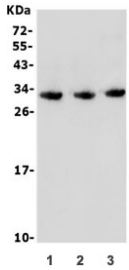
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | O88472 |
| **Applications** | Western blot: 0.5-1ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Immunohistochemistry (FFPE): 2-4ug/ml |
| **Limitations** | This Tnfrsf17 antibody is available for research use only. |



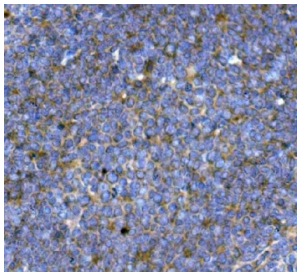

Flow cytometry testing of mouse HEPA1-6 cells with Tnfrsf17 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Tnfrsf17 antibody.



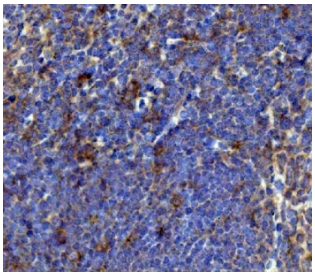

Flow cytometry testing of mouse RAW264.7 cells with Tnfrsf17 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Tnfrsf17 antibody.




Western blot testing of 1) mouse RAW264.7, 2) rat plasma and 3) mouse plasma lysate with Tnfrsf17 antibody. Expected molecular weight: 20-27 kDa depending on glycosylation level.



IHC staining of FFPE mouse spleen with Tnfrsf17 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat spleen with Tnfrsf17 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

B-cell maturation antigen (BCMA or BCM), also known as tumor necrosis factor receptor superfamily member 17 (TNFRSF17), is a protein that in humans is encoded by the TNFRSF17 gene. The protein encoded by this gene 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 (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation.

## Application Notes

Optimal dilution of the Tnfrsf17 antibody should be determined by the researcher.

## Immunogen

Amino acids FHSEYFDSLLHACKPCHLRC from the mouse protein were used as the immunogen for the Tnfrsf17 antibody.

## Storage

After reconstitution, the Tnfrsf17 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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