

Anti-Mouse TNFR2/CD120b Rabbit Recombinant Antibody

Catalog Number: 98021-1-RR

Basic Information

Catalog Number:

98021-1-RR

Size:

100ug, 1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_011610.3

GeneID (NCBI):

21938

UNIPROT ID:

Q545P4

Full Name:tumor necrosis factor receptor
superfamily, member 1b**Calculated MW:**

50KD

Purification Method:

Protein A purification

CloneNo.:

240200D4

Applications

Tested Applications:

FC

Species Specificity:

Mouse

Background Information

Tumor necrosis factor-alpha (TNFA/TNFSF2) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNFA signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a, p55) and TNFR2 (TNFRSF1B, CD120b, p75). TNFR1 is widely expressed, whereas TNFR2 exhibits more restricted expression, being found on CD4 and CD8 T lymphocytes, endothelial cells, microglia, oligodendrocytes, neuron subtypes, cardiac myocytes, thymocytes and human mesenchymal stem cells (PMID: 20489699; 22374304). In contrast to TNFR1, TNFR2 does not have a death domain. TNFR2 only signals for antiapoptotic reactions. However, recent evidence indicates that TNFR2 also signals to induce TRAF2 degradation (PMID: 22374304). Various defects in the TNFR2 pathway, due to polymorphisms in the TNFR2 gene, upregulated expression of TNFR2 and TNFR2 shedding, have been implicated in the pathology of several autoimmune disorders (PMID: 20489699).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

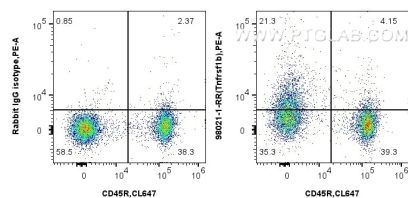
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:

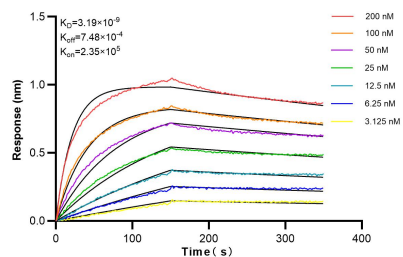
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with 0.25 ug Anti-Mouse TNFR2/CD120b Rabbit Recombinant Antibody (98021-1-RR, Clone: 240200D4) or 0.25 ug Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with CoraLite® Plus 647 Anti-Mouse CD45R (B220). Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98021-1-RR against Mouse Tnfrsf1b were performed. The affinity constant is 3.19 nM.