

For Research Use Only



CoraLite®594 Anti-Mouse TNFR2/CD120b Rabbit Recombinant Antibody

Catalog Number: **CL594-98021**

Basic Information

Catalog Number: CL594-98021	GenBank Accession Number: NM_011610.3	Purification Method: Protein A purification
Size: 100ug, 500 ug/ml	GeneID (NCBI): 21938	CloneNo.: 240200D4
Source: Rabbit	UNIPROT ID: Q545P4	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 1b	
	Calculated MW: 50KD	

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:

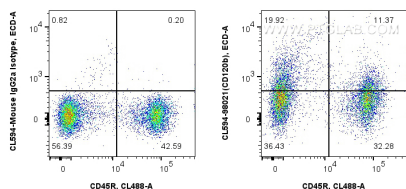
T: 4006900926

E: Proteintech-CN@ptglab.com

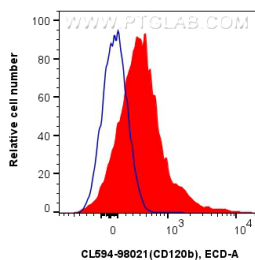
W: ptgcn.com

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Selected Validation Data



1x10⁶ mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD45R and 0.25 ug CoraLite® 594 Anti-Mouse TNFR2/CD120b Rabbit Recombinant Antibody (CL594-98021, Clone: 240200D4), or Isotype Control. Cells were not fixed.



1x10⁶ mouse splenocytes were surface stained with 0.25 ug CoraLite® 594 Anti-Mouse TNFR2/CD120b Rabbit Recombinant Antibody (CL594-98021, Clone: 240200D4) (red), or Isotype Control (blue). Cells were not fixed.