

For Research Use Only

CoraLite® Plus 488 Anti-Human TNFR2/CD120b Rabbit Recombinant Antibody



Catalog Number: **CL488-98010**

Basic Information

Catalog Number: CL488-98010	GenBank Accession Number: BC052977	Purification Method: Protein A purification
Size: 100tests , 5 µl/test	GeneID (NCBI): 7133	CloneNo.: 230328B6
Source: Rabbit	UNIPROT ID: P20333	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 1B	
	Calculated MW: 48 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

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.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

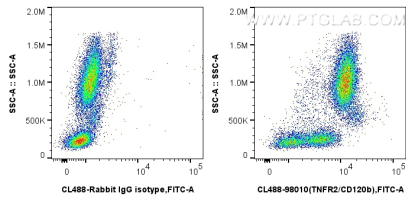
For technical support and original validation data for this product please contact:

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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 human peripheral blood leukocytes were surface stained with 5 ul CoraLite® Plus 488 Anti-Human TNFR2/CD120b Rabbit Recombinant Antibody (CL488-98010, Clone: 23032886), or 5 ul Isotype Control. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.