

For Research Use Only



FcZero-rAb® Biotin Anti-Human TNFR1/CD120a Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98085

Basic Information

Catalog Number: Biotin-FcA98085	GenBank Accession Number: BC010140	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 7132	CloneNo.: 241337H6
Source: Rabbit	UNIPROT ID: P19438	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 1A	Excitation/Emission maxima wavelengths: -
	Calculated MW: 455 aa, 50 kDa	

Applications

Tested Applications: FC, ELISA	Positive Controls: FC : human peripheral blood leukocytes,
Species Specificity: human	

Background Information

Tumor necrosis factor (TNF) is a multifunctional cytokine that plays a key role in regulating inflammation, immune functions, host defense, and apoptosis (PMID: 16407280). TNF exists in soluble and membrane-bound forms. TNF signals through two distinct cell surface receptors, TNFR1 (TNFRSF1A, CD120a) and TNFR2 (TNFRSF1B, CD120b). Whereas TNFR1 is widely expressed, expression of TNFR2 is limited to cells of the immune system, endothelial cells, and nerve cells (PMID: 22053109). TNFR1, which contains a death domain (DD) within its intracytoplasmic region, is thought to be the key receptor for TNF signaling (PMID: 16407280). This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.

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, pH7.3

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

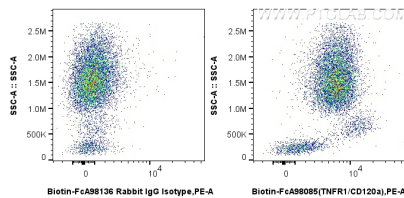
T: 4006900926

E: Proteintech-CN@ptglab.com

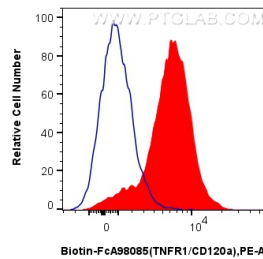
W: ptgcn.com

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Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Biotin Anti-Human TNFR1/CD120a Rabbit RecAb (Biotin-FcA98085, Clone: 241337H6) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Biotin Anti-Human TNFR1/CD120a Rabbit RecAb (Biotin-FcA98085, Clone: 241337H6) (red) or FcZero-rAb™ Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). Cells were not fixed.