

For Research Use Only

TNFR2/CD120b Recombinant antibody, PBS Only (Detector)

Catalog Number: 98010-1-PBS



Basic Information

Catalog Number: 98010-1-PBS	GenBank Accession Number: BC052977	Purification Method: Protein A purification
Size: 1mg, 2mg/ml	GeneID (NCBI): 7133	CloneNo.: 230328B3
Source: Rabbit	UNIPROT ID: P20333	
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 1B	
	Calculated MW: 48 kDa	

Applications

Tested Applications:
Cytometric bead array, Indirect ELISA

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 -80°C. Stable for one year after shipment.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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

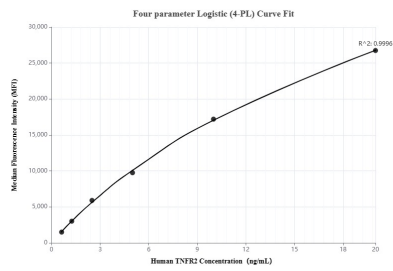
T: 4006900926

E: Proteintech-CN@ptglab.com

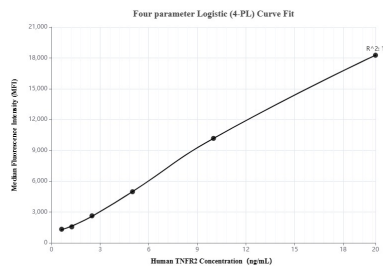
W: ptgcn.com

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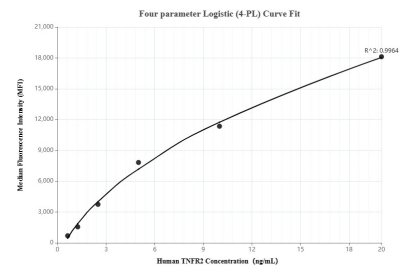
Selected Validation Data



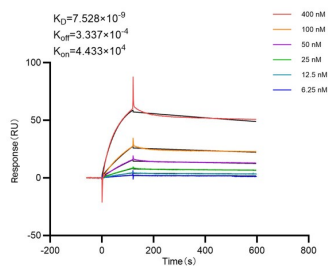
Cytometric bead array standard curve of MP00777-1, TNFR2/CD120b Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83101-2-PBS. Detection antibody: 98010-1-PBS. Standard: Eg0086. Range: 0.625-20 ng/mL.



Cytometric bead array standard curve of MP00777-2, TNFR2/CD120b Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83101-3-PBS. Detection antibody: 98010-1-PBS. Standard: Eg0086. Range: 0.625-20 ng/mL.



Cytometric bead array standard curve of MP00777-3, TNFR2/CD120b Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83101-4-PBS. Detection antibody: 98010-1-PBS. Standard: Eg0086. Range: 0.625-20 ng/mL.



Surface Plasmon Resonance (SPR) kinetic assays of 98010-1-RR against Human TNFR2/CD120b were performed. The affinity constant is 7.52 nM.