

For Research Use Only

CoraLite® Plus 750-conjugated TNFR2 Recombinant antibody

Catalog Number:CL750-83101



Basic Information

Catalog Number: CL750-83101	GenBank Accession Number: BC052977	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7133	CloneNo.: 230328B6
Source: Rabbit	UNIPROT ID: P20333	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: tumor necrosis factor receptor superfamily, member 1B	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
	Calculated MW: 48 kDa	
	Observed MW: 75 kDa, 65 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : THP-1 cells, K-562 cells, U-937 cells
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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

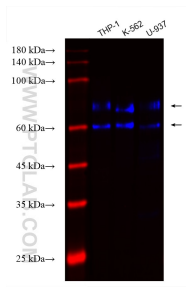
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-83101 (TNFR2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.