

For Research Use Only

Anti-Human TRAIL/CD253 Rabbit Recombinant Antibody

Catalog Number: 98139-1-RR



Basic Information

Catalog Number: 98139-1-RR	GenBank Accession Number: BC032722	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 8743	CloneNo.: 241419D2
Source: Rabbit	UNIPROT ID: P50591	
Isotype: IgG	Full Name: tumor necrosis factor (ligand) superfamily, member 10	
	Calculated MW: 281 aa, 33 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

TRAIL, also known as CD253 or TNFSF10 (tumor necrosis factor superfamily member 10), is a typical death ligand expressed on natural killer cells and cytotoxic T lymphocytes. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. TRAIL induces apoptotic cell death in cancer by binding to its functional death receptors, death receptor (DR) 4 (TNFRSF10A/TRAIL-R1) and DR5 (TNFRSF10B/TRAIL-R2) to activate the extrinsic apoptosis pathway. TRAIL also activates c-Jun N-terminal kinase (MAPK8/JNK) and the transcription factor nuclear factor-κB (NFκB). The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

Storage

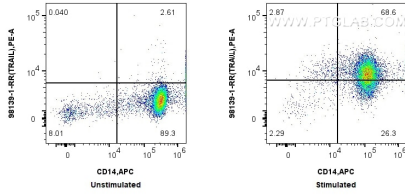
Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

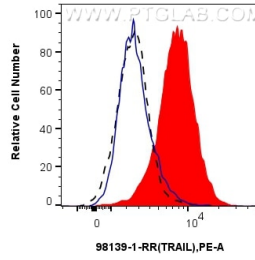
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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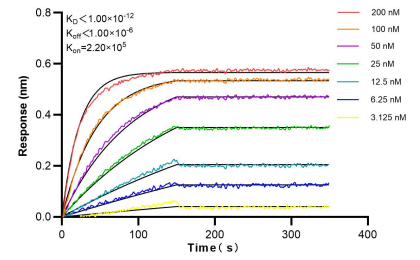
Selected Validation Data



1x10⁶ untreated or IFN-alpha treated human peripheral blood mononuclear cells were surface stained with 0.25 ug Anti-Human TRAIL/CD253 Rabbit Recombinant Antibody (98139-1-RR, Clone: 241419D2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were co-stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to fixing and staining. Cells were not fixed.



1x10⁶ IFN-alpha treated human peripheral blood mononuclear cells were surface stained with 0.25 ug Anti-Human TRAIL/CD253 Rabbit Recombinant Antibody (98139-1-RR, Clone: 241419D2) (red) or Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10⁶ untreated human peripheral blood mononuclear cells were surface stained with 0.25 ug Anti-Human TRAIL/CD253 Rabbit Recombinant Antibody (98139-1-RR, Clone: 241419D2) (black, dashed) and PE-Conjugated



Biolayer interferometry (BLI) kinetic assays of 98139-1-RR against Human TRAIL/CD253 were performed. The affinity constant is below 1 pM.