

For Research Use Only

TRAIL Recombinant antibody, PBS Only (Detector)

Catalog Number: 84280-1-PBS



Basic Information

Catalog Number: 84280-1-PBS	GenBank Accession Number: BC032722	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8743	CloneNo.: 241419C12
Source: Rabbit	UNIPROT ID: P50591	
Isotype: IgG	Full Name: tumor necrosis factor (ligand) superfamily, member 10	
	Calculated MW: 281 aa, 33 kDa	
	Observed MW: 22-25 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84280-1-PBS targets TRAIL as part of a matched antibody pair:

MP01166-1: 84280-2-PBS capture and 84280-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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- κ B (NF κ B). 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 -80°C.

Storage Buffer:
PBS Only

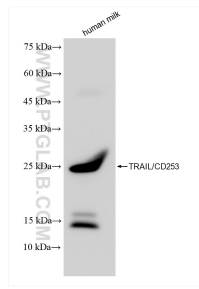
For technical support and original validation data for this product please contact:

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

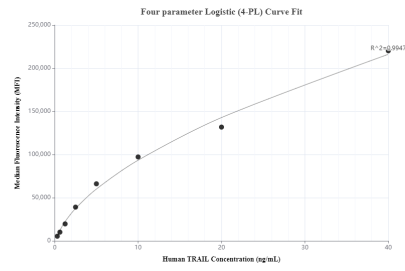
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Human milk samples were subjected to SDS PAGE followed by western blot with 84280-1-RR (TRAIL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84280-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01166-1, TRAIL Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84280-2-PBS. Detection antibody: 84280-1-PBS. Standard: RPO2339. Range: 0.313-40 ng/mL.