

For Research Use Only

Anti-Human TRAIL/CD253 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98139-1-PBS



Basic Information

Catalog Number:

98139-1-PBS

Size:

1mg, 2 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC032722

GeneID (NCBI):

8743

UNIPROT ID:

P50591

Full Name:

tumor necrosis factor (ligand) superfamily, member 10

Calculated MW:

281 aa, 33 kDa

Purification Method:

Protein A purification

CloneNo.:

241419D2

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- 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.

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:

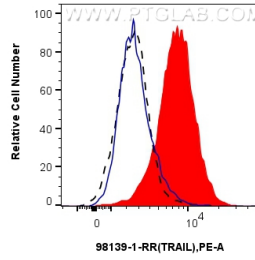
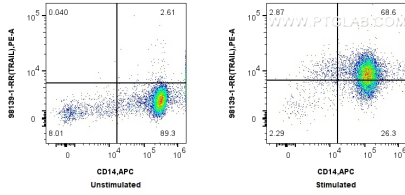
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 98139-1-PBS in a



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

