

For Research Use Only



# FcZero-rAb® PE Anti-Human TRAIL/CD253 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98139

## Basic Information

Catalog Number:

PE-FcA98139

Concentration:

100 tests, 5 µl/test

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

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : IFN-α treated human PBMCs,

## 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 (NF-κB). 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

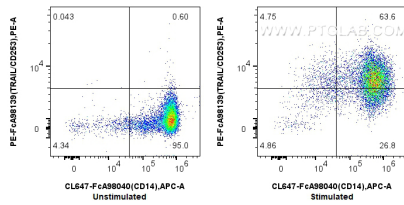
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

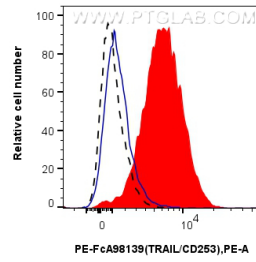
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> untreated or IFN- $\alpha$  treated human PBMCs were surface stained with APC Anti-Human CD14 and 5  $\mu$ l PE Anti-Human TRAIL/CD253 Rabbit RecAb (PE-FcA98139, Clone: 241419D2). Cells were not fixed.



1x10<sup>6</sup> IFN- $\alpha$  treated human PBMCs were surface stained with 5  $\mu$ l PE Anti-Human TRAIL/CD253 Rabbit RecAb (PE-FcA98139, Clone: 241419D2) (red) or Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5  $\mu$ l PE Anti-Human TRAIL/CD253 Rabbit RecAb (PE-FcA98139, Clone: 241419D2) (black, dashed). Cells were not fixed.