For Research Use Only

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

Catalog Number:Biotin-FcA98139

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
Biotin-FcA98139

Concentration:
100ug, 500 ug/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

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
-

Applications

Tested Applications:
FC, ELISA

Species Specificity:
human

Positive Controls:

FC : IFN-alpha 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 (NFκB). The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3.

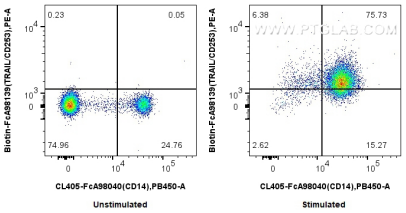
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

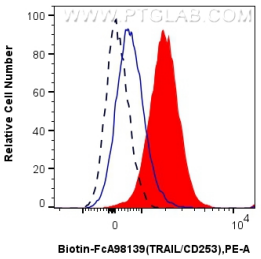
For technical support and original validation data for this product please contact:
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Selected Validation Data



1x10^6 untreated or IFN-alpha treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human TRAIL/CD253 Rabbit RecAb (Biotin-FcA98139, Clone: 241419D2) and Streptavidin-PE Conjugate (PE-PF00030). Cells were then stained with FcZero-rAb® CoraLite® Plus 405 Anti-Human CD14. Cells were not fixed.



1x10^6 IFN-alpha treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human TRAIL/CD253 Rabbit RecAb (Biotin-FcA98139, Clone: 241419D2) (red) or FcZero-rAb® Biotin Rabbit IgG Isotype Control Recombinant Antibody (Biotin-FcA98136, Clone: 240953C9) (blue), and Streptavidin-PE Conjugate (PE-PF00030). 1x10^6 untreated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human TRAIL/CD253 Rabbit RecAb (Biotin-