

For Research Use Only

FcZero-rAb® Biotin Anti-Human Granzyme B Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98070



Basic Information

Catalog Number:

Biotin-FcA98070

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0592

GenBank Accession Number:

BC030195

GeneID (NCBI):

3002

UNIPROT ID:

P10144

Full Name:

granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)

Calculated MW:

247 aa, 28 kDa

Purification Method:

Protein A purification

CloneNo.:

240761G4

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

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Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): human PBMCs,

Background Information

GZMB (Granzyme B) is also named as CGL1, CSPB, CTLA1, GRB and belongs to the Granzyme subfamily. This enzyme is necessary for target cell lysis in cell-mediated immune responses. The cytotoxic lymphocyte protease granzyme B can promote apoptosis through direct processing and activation of members of the caspase family. Granzyme B can also cleave the BH3-only protein, BID, to promote caspase-independent mitochondrial permeabilization (PMID:17283187). Granzyme B induces lamin B degradation in isolated nuclei less efficiently than Granzyme A (PMID:11331782).

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, pH7.3

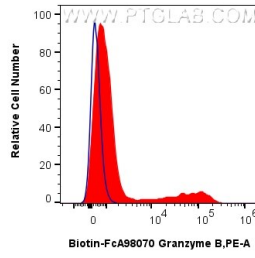
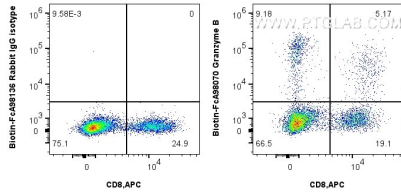
For technical support and original validation data for this product please contact:

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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 human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human Granzyme B Rabbit RecAb (Biotin-FcA98070, Clone: 240761G4) or 0.25 ug Isotype Control, and Streptavidin-PE Conjugate (PE-PF00030). Cells were co-stained with FcZero-rAb® APC Anti-Human CD8a (OKT8) Rabbit Recombinant Antibody (APC-FcA65506, Clone: OKT8). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization



1x10⁶ human PBMCs were intracellularly stained with 0.25 ug Biotin Anti-Human Granzyme B Rabbit RecAb (Biotin-FcA98070, Clone: 240761G4) (red) or 0.25 ug Isotype Control, and Streptavidin-PE Conjugate (PE-PF00030). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).