

For Research Use Only

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

Catalog Number: Biotin-FcA98070



## Basic Information

**Catalog Number:**

Biotin-FcA98070

**Concentration:**

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 10<sup>6</sup> 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:

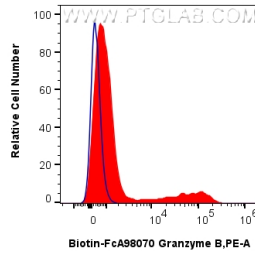
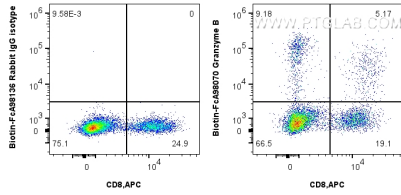
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

## Selected Validation Data



1x10<sup>6</sup> 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



1x10<sup>6</sup> 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).