

For Research Use Only

# FcZero-rAb® CoraLite® Plus 488 Anti-Human Granzyme B Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98070



## Basic Information

Catalog Number:

CL488-FcA98070

Concentration:

100tests, 5 ul/test

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

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## 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 and 0.5% BSA, pH7.3

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

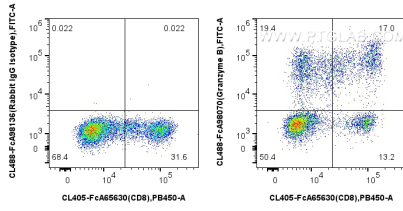
T: 4006900926

E: Proteintech-CN@ptglab.com

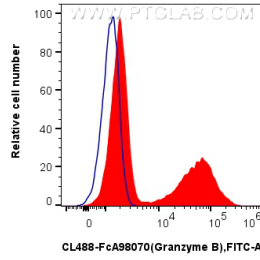
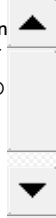
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## Selected Validation Data



1x10<sup>6</sup> human PBMCs were intracellularly stained with CoraLite® Plus 405 Anti-Human CD8 (SK1), and 5 ul CoraLite® Plus 488 Anti-Human Granzyme B Rabbit RecAb (CL488-FcA98070, Clone: 240761G4) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10<sup>6</sup> human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 488 Anti-Human Granzyme B Rabbit RecAb (CL488-FcA98070, Clone: 240761G4) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). Lymphocytes were gated.