

For Research Use Only

FcZero-rAb® CoraLite® Plus 405 Anti-Human Granzyme B Rabbit Recombinant Antibody

Catalog Number: CL405-FcA98070



Basic Information

Catalog Number:

CL405-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 10^6 cells in a 100 μ l suspension

Excitation/Emission maxima wavelengths:

399 nm / 422 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:

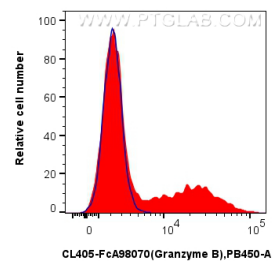
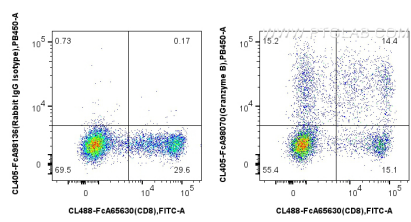
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Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with CoraLite® Plus 488 Anti-Human CD8 (SK1), and 5 ul CoraLite® Plus 405 Anti-Human Granzyme B Rabbit RecAb (CL405-FcA98070, Clone: 240761G4) or FcZero-rAb® CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-FcA98136, Clone: 240953C9). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).

1x10⁶ human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 405 Anti-Human Granzyme B Rabbit RecAb (CL405-FcA98070, Clone: 240761G4) (red) or FcZero-rAb® CoraLite® Plus 405 Rabbit IgG Isotype Control Recombinant Antibody (CL405-FcA98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). Lymphocytes were gated.