

For Research Use Only

FcZero-rAb™ APC Anti-Human Granzyme B Rabbit Recombinant Antibody

Catalog Number: APC-FcA98070



Basic Information

Catalog Number:

APC-FcA98070

Size:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC030195

GeneID (NCBI):

3002

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

Excitation/Emission maxima

wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

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 (GzmB) can promote apoptosis through direct processing and activation of members of the caspase family. GzmB can also cleave the BH3-only protein, BID, to promote caspase-independent mitochondrial permeabilization (PMID:17283187). GzmB induces lamin B degradation in isolated nuclei less efficiently than GzmA (PMID:11331782). This full-length protein has 2 glycosylation sites and a signal peptide. Unglycosylated human granzyme B is 26 kDa and high mannose glycosylated is 32 kDa and only 32 kDa or smaller forms of granzyme B are accumulated within nuclei (PMID:8626751). GzmB also forms dimers.

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.

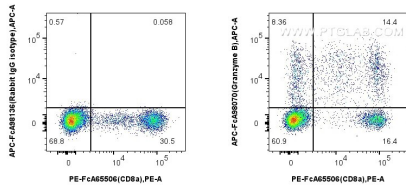
For technical support and original validation data for this product please contact:

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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 FcZero-rAb™ PE Anti-Human CD8a (OKT8) and 5 ul APC Anti-Human Granzyme B Rabbit RecAb (APC-FcA98070, Clone:240761G4), or APC Rabbit IgG Isotype Control RecAb (APC-FcA98136, Clone:240953C9). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).