

For Research Use Only

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

Catalog Number: PE-FcA98070



Basic Information

Catalog Number: PE-FcA98070	GenBank Accession Number: BC030195	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 3002	CloneNo.: 240761G4
Source: Rabbit	Full Name: granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG	Calculated MW: 247 aa, 28 kDa	
Immunogen Catalog Number: EG0592		

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, pH7.3

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

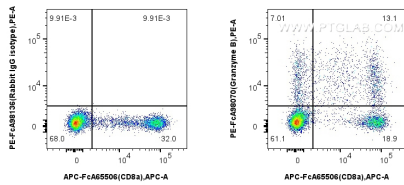
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were intracellularly stained with FcZero-rAb™ APC Anti-Human CD8a (OKT8) and 5 ul PE Anti-Human Granzyme B Rabbit RecAb (PE-FcA98070, Clone:240761G4) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).