

For Research Use Only

CoraLite® Plus 555-conjugated Granzyme B Polyclonal antibody

Catalog Number: CL555-13588



Basic Information

Catalog Number:

CL555-13588

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3883

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

Observed MW:

33 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:

554 nm / 570 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : Jurkat cells,

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 laminB 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 32kDa or smaller forms of granzyme B are accumulated within nuclei (PMID:8626751). GzmB also forms dimers.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

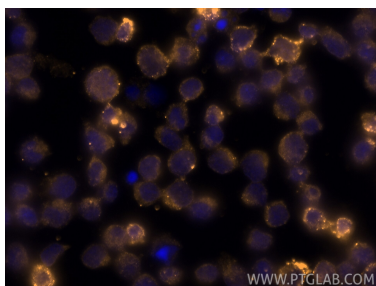
For technical support and original validation data for this product please contact:

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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



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 555 Granzyme B antibody (CL555-13588) at dilution of 1:200.