

For Research Use Only

Granzyme A Recombinant antibody

Catalog Number: 84583-3-RR



Basic Information

Catalog Number:

84583-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1818

GenBank Accession Number:

BC015739

GeneID (NCBI):

3001

UNIPROT ID:

P12544

Full Name:

granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)

Calculated MW:

29 kDa

Purification Method:

Protein A purification

CloneNo.:

241979B8

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : Jurkat cells,

Background Information

Granzyme A (GrA, a tryptase) is necessary for target cell lysis in cell-mediated immune responses. It activates mitochondrial outer membrane permeabilization- and caspase-independent cell death pathways by cleaving the mitochondrial complex I component NDUFS3 after Lys56. Among serine proteases GrA has a unique quaternary structure consisting of a disulphide-linked homodimer of 60 kDa linked via Cys93. (PMID: 12819769) This protein has 2 isoforms produced by alternative promoter usage with the MW of 29 and 27 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

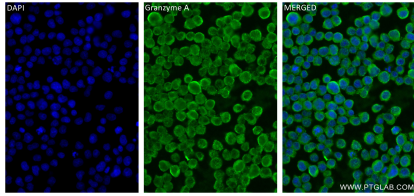
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using GZMA antibody (84583-3-RR, Clone: 241979B8) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).