

For Research Use Only

Granzyme A Recombinant antibody

Catalog Number: 84583-4-RR



Basic Information

Catalog Number: 84583-4-RR	GenBank Accession Number: BC015739	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3001	CloneNo.: 241979E3
Source: Rabbit	UNIPROT ID: P12544	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	
Immunogen Catalog Number: AG1818	Calculated MW: 29 kDa	
	Observed MW: 27-30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NK-92 cells,
Species Specificity: human	

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 NDUF53 after lys56. Among serine proteases GrA has a unique quaternary structure consisting of a disulphide-linked homodimer of 60kDa linked via Cys93. (PMID: 12819769) This protein has 2 isoforms produced by alternative promoter usage with the MW of 29 and 27 kDa.

Storage

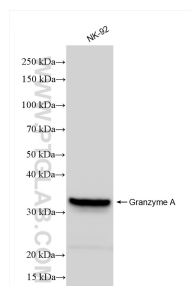
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



NK-92 cells were subjected to SDS PAGE followed by western blot with 84583-4-RR (GZMA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.