

For Research Use Only

# Granzyme A Recombinant antibody, PBS Only

Catalog Number: 84583-4-PBS



## Basic Information

Catalog Number:

84583-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Observed MW:

27-30 kDa

Purification Method:

Protein A purification

CloneNo.:

241979E3

## Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS Only

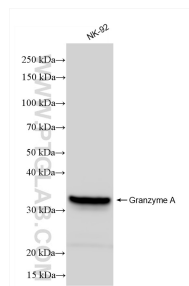
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## Selected Validation Data



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. This data was developed using the same antibody clone with 84583-4-PBS in a different storage buffer formulation.