

For Research Use Only

# Granzyme B Recombinant antibody, PBS Only (Detector)

Catalog Number:83763-4-PBS



## Basic Information

Catalog Number:

83763-4-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

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

Purification Method:

Protein A purification

CloneNo.:

240761F7

## Applications

Tested Applications:

Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:

human

## Product Information

83763-4-PBS targets Granzyme B as part of a matched antibody pair.

MP00761-1: 83763-3-PBS capture and 83763-4-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

MP00761-2: 83763-2-PBS capture and 83763-4-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

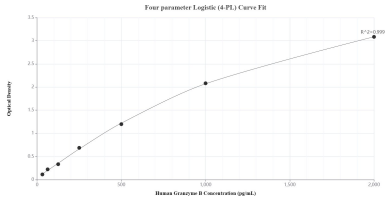
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

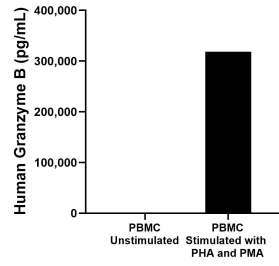
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

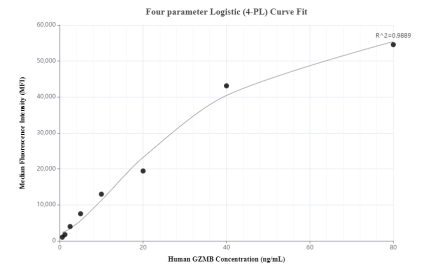
## Selected Validation Data



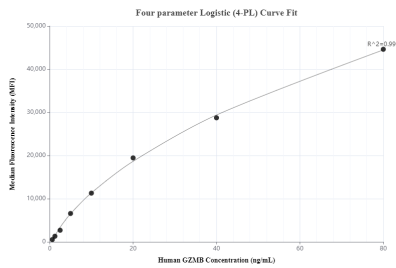
Sandwich ELISA standard curve of MP00761-1, Human Granzyme B Recombinant Matched Antibody Pair - PBS only. 83763-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0592. 83763-4-PBS was HRP conjugated as the detection antibody. Range: 31.3-2000 pg/mL



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA and 10 µg/mL PMA for 5 days. The mean Granzyme B concentration was determined to be 27.3 pg/mL in unstimulated PBMC supernatant, 318,351.7 pg/mL in PHA and PMA stimulated PBMC supernatant.



Cytometric bead array standard curve of MP00761-1, Granzyme B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83763-3-PBS. Detection antibody: 83763-4-PBS. Standard: Eg0592. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP00761-2, Granzyme B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83763-2-PBS. Detection antibody: 83763-4-PBS. Standard: Eg0592. Range: 0.625-80 ng/mL