

For Research Use Only

GSDMD Recombinant antibody

Catalog Number: 83562-3-RR



Basic Information

Catalog Number:

83562-3-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34905

GenBank Accession Number:

BC029813

GeneID (NCBI):

69146

UNIPROT ID:

Q9D8T2

Full Name:

gasdermin D

Calculated MW:

53 kDa

Observed MW:

53 kDa

Purification Method:

Protein A purification

CloneNo.:

240548B10

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:250-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : NIH/3T3 cells, EL-4 cells, RAW 264.7 cells, J774A.1 cells

IHC : mouse spleen tissue,

IF/ICC : NIH/3T3 cells,

Background Information

GSDMD is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. GSDMD has been suggested to act as a tumor suppressor. Recently, GSDMD is identified as a new component of inflammasomes, and it is an executor of pyroptosis and required for interleukin-1 β secretion. Cleavage of GSDMD by inflammatory caspases determines pyroptotic cell death.

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:

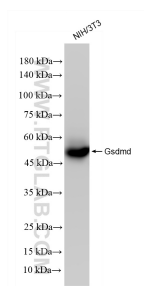
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

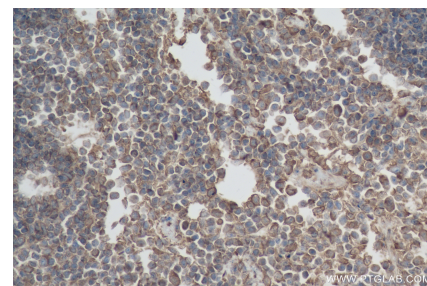
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Selected Validation Data

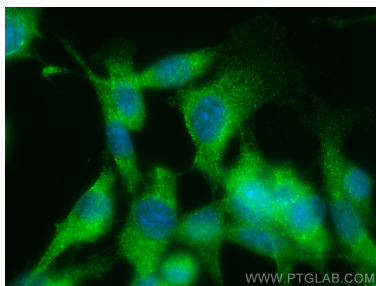


NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 83562-3-RR (Gsdmd antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

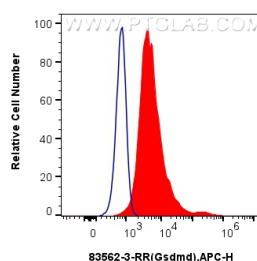
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83562-3-RR (GSDMD antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



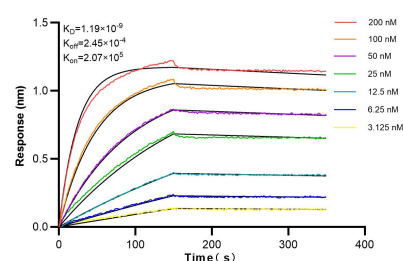
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 83562-3-RR (GSDMD antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using Gsdmd antibody (83562-3-RR, Clone: 240548B10) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



1×10^6 RAW 264.7 cells were intracellularly stained with 0.25 μ g Gsdmd Recombinant antibody (83562-3-RR, Clone:240548B10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bilayer interferometry (BLI) kinetic assays of 83562-3-RR against Mouse Gsdmd were performed. The affinity constant is 1.19 nM.