

For Research Use Only

# GSDMD Recombinant antibody

Catalog Number: 80918-1-RR



## Basic Information

Catalog Number:

80918-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14757

GenBank Accession Number:

BC008904

GeneID (NCBI):

79792

UNIPROT ID:

P57764

Full Name:

gasdermin D

Calculated MW:

484 aa, 53 kDa

Observed MW:

50-53 kDa

Purification Method:

Protein A purification

CloneNo.:

2N24

Recommended Dilutions:

WB 1:1000-1:2000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, A549 cells, Jurkat 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 $\beta$  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:

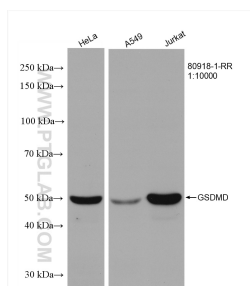
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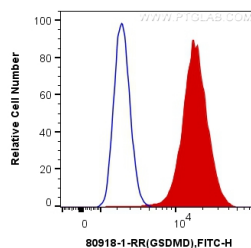
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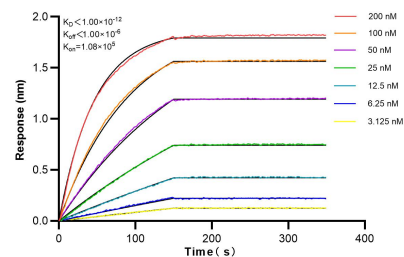
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80918-1-RR (GSDMD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1X10<sup>6</sup> RAW 264.7 cells were intracellularly stained with 0.4 ug Anti-Human GSDMD (80918-1-RR, Clone:2N24) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 80918-1-RR against Human GSDMD were performed. The affinity constant is below 1 pM.