

For Research Use Only

# GSDMD Monoclonal antibody

Catalog Number: 66387-1-Ig **21 Publications**



## Basic Information

<b>Catalog Number:</b> 66387-1-Ig	<b>GenBank Accession Number:</b> BC008904	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79792	<b>CloneNo.:</b> 2E6C7
<b>Source:</b> Mouse	<b>Full Name:</b> gasdermin D	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 484 aa, 53 kDa	
<b>Immunogen Catalog Number:</b> AG16827	<b>Observed MW:</b> 47-53 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : U2OS cells, HEK-293 cells, A431 cells, EC109 cells, Raji cells, K-562 cells, COLO 320 cells, HL-60 cells, TF-1 cells, human small intestine tissue, human colon tissue, PC-3 cells, A549 cells, HepG2 cells, Jurkat cells, THP-1 cells
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, rat, mouse	IF : HeLa 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoying Lou	36068291	Commun Biol	WB
Cintia Cevallos	36205031	J Neurochem	WB
Diego S Ojeda	30515154	Front Immunol	

## Storage

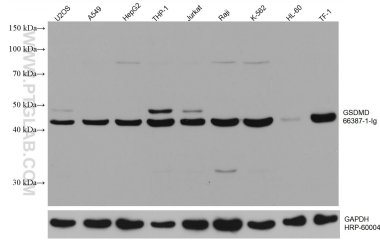
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

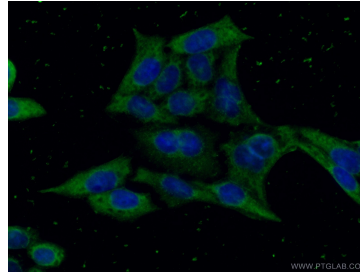
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66387-1-Ig (GSDMD antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Ethanol ) fixed HeLa cells using 66387-1-Ig(GSDMD antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).