

# Cleaved Gasdermin D (N Terminal) mAb

Catalog No.: A29037

## Basic Information

### Observed MW

31 kDa(N Terminal)

### Calculated MW

53 kDa

### Category

Primary antibody

### Applications

WB,ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC82794

## Background

Enables phospholipid binding activity; transcription coactivator activity; and wide pore channel activity. Involved in several processes, including defense response to bacterium; positive regulation of interleukin-1 beta production; and protein-containing complex assembly. Acts upstream of or within ceramide biosynthetic process; plasma membrane repair; and protein maturation. Located in cytosol; extracellular space; and mitochondrial membrane. Part of NLRP3 inflammasome complex. Is active in plasma membrane. Is expressed in several structures, including aorta; gut; liver; metanephros; and spleen.

## Recommended Dilutions

**WB** 1:3000 - 1:18000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

69146

### Swiss Prot

Q9D8T2

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

DF5L; M2-4; Dfna5l; GsdmD-1; Gsdmdc1; 1810036L03Rik

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

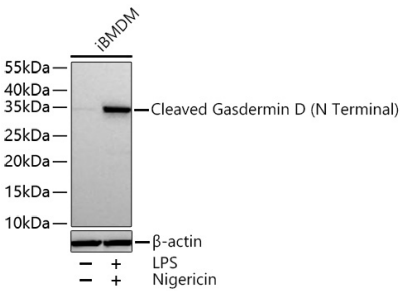
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of lysates from iBMDM cells using Cleaved Gasdermin D (N Terminal) mAb (A29037) at 1:6000 dilution incubated overnight at 4°C. iBMDM cells were treated with LPS (50 ng/mL) at 37°C for 4 hours and Nigericin (15  $\mu$ M) at 37°C for 20 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5 s.