

# Cleaved Gasdermin D (C Terminal) Rabbit mAb

Catalog No.: A28234 Recombinant

# **Basic Information**

### **Observed MW**

22 kDa

### **Calculated MW**

53 kDa

## Category

Primary antibody

### **Applications**

WB,IP,ELISA

#### **Cross-Reactivity**

Mouse

#### CloneNo number

ARC77840

# **Background**

Enables phospholipid binding 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 cellular response to extracellular stimulus. Located in cytosol; extracellular space; and plasma membrane. Part of NLRP3 inflammasome complex. Is expressed in several structures, including gut; liver; lung; metanephros; and spleen. Orthologous to human GSDMD (gasdermin D).

## **Recommended Dilutions**

**WB** 1:5000 - 1:15000

IP 0.5μg-4μg antibody for 500μg-700μg extracts of

whole cells

accuracy.

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements. For highratio antibody dilutions (≥1:10000)□a sequential dilution method is strongly recommended to ensure measurement

# **Immunogen Information**

**Gene ID Swiss Prot**69146

Q9D8T2

#### **Immunogen**

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

### **Synonyms**

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

### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

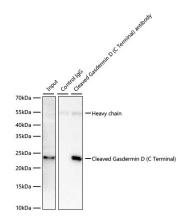
### **Storage**

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

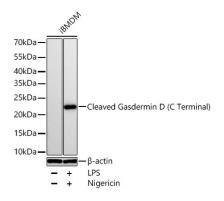
Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

# Contact

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Immunoprecipitation of Cleaved Gasdermin D (C Terminal) from 600  $\mu g$  extracts of iBMDM cells treated with LPS(100ng/ml, 4h) and Nigericin(15uM, 30min) was performed using 1  $\mu g$  of Cleaved Gasdermin D (C Terminal) Rabbit mAb (A28234). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Cleaved Gasdermin D (C Terminal) Rabbit mAb (A28234) at a dilution of 1:5000.



Western blot analysis of lysates from iBMDM cells using Cleaved Gasdermin D (C Terminal) Rabbit mAb (A28234) at 1:5000 dilution incubated overnight at 4°C. iBMDM cells were treated with LPS(100 ng/mL) at  $37^{\circ}$ C for 4 hours and Nigericin(20  $\mu$ M) at  $37^{\circ}$ C for 30 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: 1 s.