

**产品名称: GSDMD Rabbit Monoclonal Antibody**

**产品货号: AMRe03774**

## 产品概述 (Summary)

<b>描述 (Description)</b>	Recombinant rabbit monoclonal antibody
<b>宿主 (Host)</b>	Rabbit
<b>应用 (Application)</b>	WB
<b>种属反应 (Reactivity)</b>	Human
<b>偶联物 (Conjugation)</b>	Unconjugated
<b>修饰 (Modification)</b>	Unmodified
<b>同种型 (Isotype)</b>	IgG
<b>克隆 (Clonality)</b>	Monoclonal
<b>剂型 (Form)</b>	Liquid
<b>保存条件 (Storage)</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>储存溶液 (Buffer)</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>纯化 (Purification)</b>	Affinity Purification

## 产品应用 (Application)

<b>稀释比 (Dilution Ratio)</b>	WB 1:500-1:1000
<b>分子量 (Molecular Weight)</b>	Calculated MW: 53 kDa; Observed MW: 53 kDa

## 抗原信息 (Antigen Information)

<b>基因名 (Gene Name)</b>	GSDMD
<b>别名 (Alternative Names)</b>	DF5L; DFNA5L; FKSG10; GSDMDC1
<b>基因 ID (Gene ID)</b>	79792
<b>SwissProt ID</b>	P57764
<b>免疫原 (Immunogen)</b>	A synthetic peptide of human Cleaved C-terminal GSDMD

## 研究背景 (Background)

Gasdermin-D, N-terminal: Promotes pyroptosis in response to microbial infection and danger signals. Produced by the cleavage of gasdermin-D by inflammatory caspases CASP1 or CASP4 in response to canonical, as well as non-canonical (such as cytosolic LPS) inflammasome activators (PubMed:26375003, PubMed:26375259, PubMed:27418190). After cleavage, moves to

the plasma membrane where it strongly binds to inner leaflet lipids, including monophosphorylated phosphatidylinositols, such as phosphatidylinositol 4-phosphate, bisphosphorylated phosphatidylinositols, such as phosphatidylinositol (4,5)-bisphosphate, as well as phosphatidylinositol (3,4,5)-bisphosphate, and more weakly to phosphatidic acid and phosphatidylserine (PubMed:27281216). Homooligomerizes within the membrane and forms pores of 10 - 15 nanometers (nm) of inner diameter, possibly allowing the release of mature IL1B and triggering pyroptosis (PubMed:27418190, PubMed:27281216). Exhibits bactericidal activity. Gasdermin-D, N-terminal released from pyroptotic cells into the extracellular milieu rapidly binds to and kills both Gram-negative and Gram-positive bacteria, without harming neighboring mammalian cells, as it does not disrupt the plasma membrane from the outside due to lipid-binding specificity (PubMed:27281216). Under cell culture conditions, also active against intracellular bacteria, such as Listeria monocytogenes. Strongly binds to bacterial and mitochondrial lipids, including cardiolipin. Does not bind to unphosphorylated phosphatidylinositol, phosphatidylethanolamine nor phosphatidylcholine (PubMed:27281216).

## 研究领域 (Research Area)

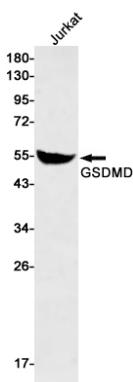
Cell Biology

## 注意事项 (Note)

For research use only.

## 图片 (Image Data)

Western blot analysis of GSDMD in Jurkat lysates using GSDMD antibody.





### EnkiLife 优势产品推荐

产品类别	产品货号	产品名称
WB 解决方案	RA10020	2h 极速 WB 即用型全流程试剂盒
	RA10021	4h 快速 WB 即用型全流程试剂盒
	RA10042	5h 畅享版 WB 全流程试剂盒
	RA10037	校准级彩色预染蛋白 Marker (8-180kDa)
	RA10038	校准级彩色预染蛋白 Marker (10-250kDa)
	RA10039	校准级高分子彩色预染蛋白 Marker (25-400kDa)
TSA 多重荧光染色试剂盒	RA10008	TSA 双标三色多重荧光染色试剂盒 (mIHC)
	RA10009	TSA 三标四色多重荧光染色试剂盒 (mIHC)
	RA10010	TSA 四标五色多重荧光染色试剂盒 (mIHC)
	RA10011	TSA 五标六色多重荧光染色试剂盒 (mIHC)
	RA10012	TSA 六标七色多重荧光染色试剂盒 (mIHC)
IHC 检测试剂盒	RA10006	HRP Anti-Mouse/Rabbit IHC Detection System
	RA10007	Polymer-HRP Anti-Mouse/Rabbit IHC Detection System
抗体标记试剂盒	RE80004p	辣根过氧化物酶(HRP)抗体标记试剂盒
	RE80002q	Sulfo-NHS-生物素标记试剂盒
	RE80007p	Cy3 荧光素标记试剂盒
	RE80011p	Fluor488 荧光素标记试剂盒
	RE80017p	Fluor750 荧光素标记试剂盒
	RE80005p	藻红蛋白(R-PE) 抗体快速标记试剂盒
	RE80040	PE-Cy7 串联染料抗体快速标记试剂盒
稳转细胞系构建服务 (免费赠送全膜 WB 验证)	TS-0001	过表达稳转细胞系构建
	TS-0002	敲低稳转细胞系构建
	TS-0003	敲除细胞系构建

限于篇幅, 更多产品详见官网: <https://www.enkilife.cn>