GSDMD N-terminal mouse mAb

Catalog No	BYmab-18001
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GSDMD
Protein Name	Gasdermin domain-containing protein 1,Gasdermin-D,GSDMD,GSDMD-CT,GSDMD-NT,GSDMD_HUMAN
Immunogen	Synthesized peptide derived from human GSDMD. AA range:1-100
Specificity	The antibody detects endogenous full lenth and n-ternal fragment of gsdmd protein,
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	[Gasdermin-D]: Cytoplasm, cytosol . Inflammasome . In response to a canonical inflammasome stimulus, such as nigericin, recruited to NLRP3 inflammasone with similar kinetics to that of uncleaved CASP1 precursor. .; [Gasdermin-D, N-terminal]: Cell membrane ; Multi-pass membrane protein . Secreted . Released in the extracellular milieu following pyroptosis. .; [Gasdermin-D, C-terminal]: Cytoplasm, cytosol .
Tissue Specificity	Expressed in the suprabasal cells of esophagus, as well as in the isthmus/neck, pit, and gland of the stomach, suggesting preferential expression in differentiating cells.
Function	Cleavage at Asp-275 by CASP1 (mature and uncleaved precursor forms), CASP4, CASP5 or CASP8 relieves autoinhibition and is sufficient to initiate pyroptosis (PubMed:26375003, PubMed:29898893, PubMed:32109412). Cleavage by CASP1 and CASP4 is not strictly dependent on the consensus cleavage site on GSDMD but depends on an exosite interface on CASP1 that recognizes and binds the Gasdermin-D, C-terminal (GSDMD-CT) part

	(PubMed:32109412). Cleavage by CASP8 takes place following inactivation of MAP3K7/TAK1 by Yersinia toxin YopJ (By similarity). Cleavage at Asp-87 by CASP3 or CAPS7 inactivates the ability to mediate pyroptosis (PubMed:28392147, PubMed:28045099).
Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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