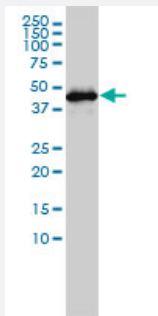


GSDMD monoclonal antibody (M01), clone 3F12-1B2

Catalog # H00079792-M01

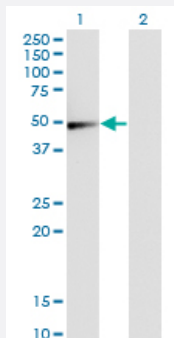
Size 100 ug

Applications



Western Blot (Cell lysate)

GSDMD monoclonal antibody (M01), clone 3F12-1B2 Western Blot analysis of GSDMD expression in Jurkat (Cat # L017V1).

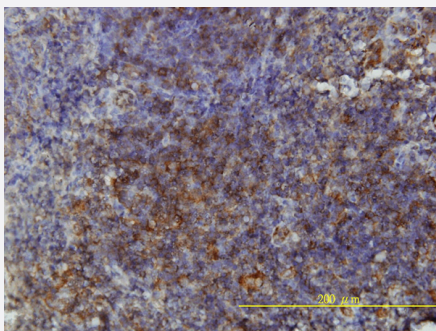


Western Blot (Transfected lysate)

Western Blot analysis of GSDMD expression in transfected 293T cell line by GSDMD monoclonal antibody (M01), clone 3F12-1B2.

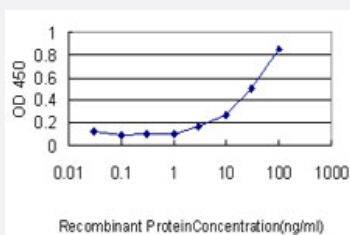
Lane 1: GSDMD transfected lysate (Predicted MW: 52.8 KDa).

Lane 2: Non-transfected lysate.



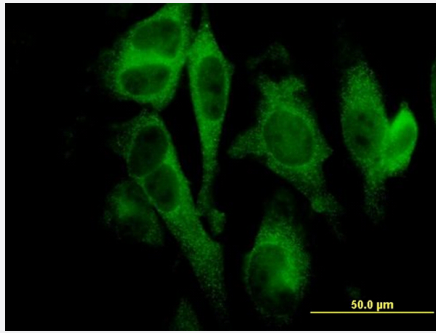
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GSDMD on formalin-fixed paraffin-embedded human tonsil tissue. [antibody concentration 3 ug/ml]



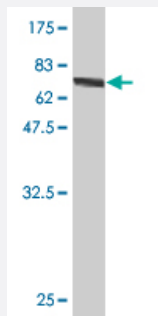
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSDMD is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to GSDMD on HeLa cell.
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (78.98 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GSDMD.
Immunogen	GSDMD (AAH08904, 1 a.a. ~ 484 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGSAFERVVRVQELDHGGEFIPVTSLSQSTGFQPYCLVVRKPSSSWFWKPRYKCVNLSIKDIL EPDAAEPDVQGRSFHFYDAMDGQIQGSVELAAPGQAKIAGGAAVSDSSSTSMNVYLSVDPN TWQTLHERHLRQPEHKVLQQLRSRGDNVYVTEVLQTQKEVEVTRTHKREGSGRFSPLPGATCL QGEGQGHLSSQKKTVTIPSGSTLAFRVAQLVIDSDLDVLLFPDKKQRTFQPPATGHKRSTSEGAWP QLPSGLSMMRCLHNFLTDGVPAGEAFTEDFQGLRAEVETISKELELLDRELCQLLLEGLEGVLRD QLALRALEEALQGGSLGPVEPLDGPAGAVLECLVLSSGMLVPELAIPVVYLLGALTMLSETQHK LLAEALESQTLLGPLELVGSLLEQSAPWQERSTMSLPGLLGNSWGEGAPAWVLLDECGLELG EDTPHVCWEPPQAQGRMCALYASLALLSGLSQEPH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (57); Rat (54)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.98 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

GSDMD monoclonal antibody (M01), clone 3F12-1B2 Western Blot analysis of GSDMD expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GSDMD expression in transfected 293T cell line by GSDMD monoclonal antibody (M01), clone 3F12-1B2.

Lane 1: GSDMD transfected lysate (Predicted MW: 52.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GSDMD on formalin-fixed paraffin-embedded human tonsil tissue. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSDMD is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to GSDMD on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — GSDMD

Entrez GeneID	79792
GeneBank Accession#	BC008904
Protein Accession#	AAH08904
Gene Name	GSDMD
Gene Alias	DF5L, FKSG10, FLJ12150, GSDMDC1
Gene Description	gasdermin D
Gene Ontology	Hyperlink
Other Designations	1810036L03Rik gasdermin domain containing 1

Publication Reference

- [Gasdermin D Represses Inflammation-Induced Colon Cancer Development by Regulating Apoptosis.](#)

Shigekazu Tanaka, Hajime Orita, Taro Kataoka, Masahiro Miyazaki, Harumi Saeki, Ryo Wada, Malcolm V Brock, Tetsu Fukunaga, Takanori Amano, Toshihiko Shiroishi.

Carcinogenesis 2023 Feb; bgad005.

Application: IHC-P, Human, Mouse, Human colon, Mouse colon

- [Regulation of Mesenchymal Cell Fate by Transfer of Active Gasdermin-D via Monocyte-Derived Extracellular Vesicles.](#)

Anasuya Sarkar, Srabani Das, Hannah Bone, Ivana DeVengencie, Jayendra Prasad, Daniela Farkas, James D Londino, Richard S Nho, Mauricio Rojas, Jeffrey C Horowitz.

Journal of immunology 2023 Jan; ji2200511.

Application: WB-Ce, WB-Tr, Human, Human lung fibroblasts, THP-1 cells

- [Brain immune cells undergo cGAS-STING-dependent apoptosis during herpes simplex virus type 1 infection.](#)

Line S Reinert, Ahmad S Rashidi, Diana N Tran, Georgios Katzilieris-Petras, Astrid K Hvidt, Mette Gohr, Stefanie Fruhwürth, Chiranjeevi Bodda, Martin K Thomsen, Mikkel H Vendelbo, Ahmad Raza Khan, Brian Hansen, Petra Bergström, Lotta Agholme, Trine H Mogensen, Maria H Christensen, Jens R Nyengaard, Ganes C Sen, Henrik Zetterberg, Georges Mgm Verjans, Soren R Paluden.

The Journal of Clinical Investigation 2020 Sep; 136824.

Application: IHC, Human, Human brain