Product datasheet

Anti-GSDMD Antibody (Clone#6D11)

Catalog Number: *M02842*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-GSDMD Antibody (Clone#6D11)
Gene Name	GSDMD
Source	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human GSDMD recombinant protein (Position: M1-H484). Human GSDMD shares 57.5% and 58.7% amino acid (aa) sequence identity with mouse and rat GSDMD, respectively.
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	53,30 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Gasdermin D is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. Gasdermin D has been suggested to act as a tumor suppressor. Alternatively spliced transcript variants have been described.

Reference

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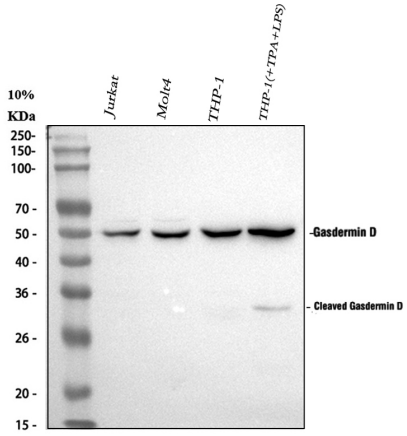
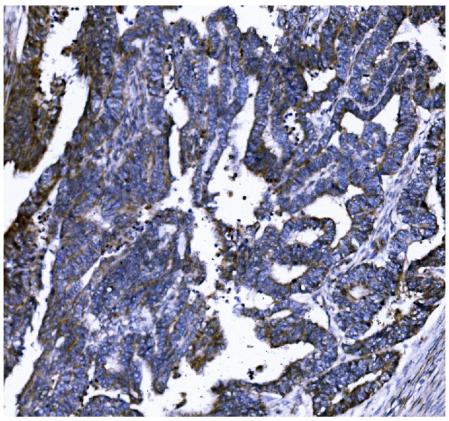
Anti-GSDMD Antibody (Clone#6D11)被引用在6文献中。

Selected Validation Data



Western blot analysis of anti-GSDMD antibody (M02842). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Jurkat whole cell lysates,
Lane 2: human MOLT-4 whole cell lysates,
Lane 3: human THP-1 whole cell lysates,
Lane 4: human THP-1(+TPA+LPS) whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-GSDMD antigen affinity purified monoclonal antibody (M02842) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for GSDMD at approximately 53, 30 kDa. The expected band size for GSDMD is at 53 kDa.



IHC analysis of GSDMD using anti-GSDMD antibody (M02842).
GSDMD was detected in a paraffin-embedded section of human cervical cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was incubated with mouse anti-GSDMD Antibody (M02842) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.

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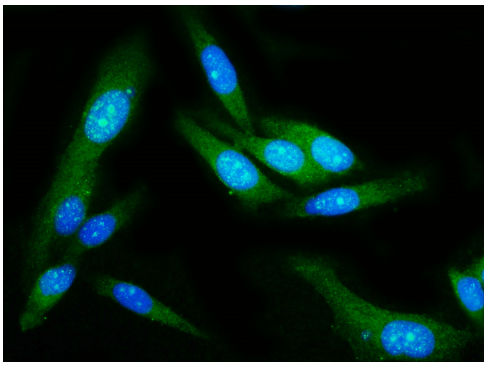
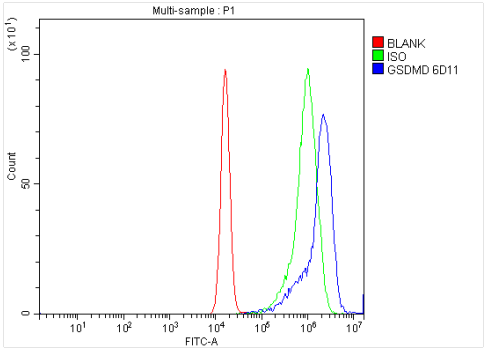


IF analysis of GSDMD using anti-GSDMD antibody (M02842).
GSDMD was detected in an immunocytochemical section of PC-3 cells. The section was incubated with mouse anti-GSDMD Antibody (M02842) at a dilution of 1:100. Dylight488-conjugated Anti-mouse IgG Secondary Antibody (green)(Catalog#BA1126) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of Jurkat cells using anti-GSDMD antibody (M02842).
Overlay histogram showing Jurkat cells stained with M02842 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-GSDMD Antibody (M02842) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.