bsm-33331M **[Primary Antibody]**

phospho-MLKL (Ser358) Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 8C4
GeneID: 197259
SWISS: Q8NB16
Target: phospho-MLKL (Ser358)
Immunogen: KLH conjugated Synthesised monomethylpeptide derived from human MLKL around the phosphorylation site of Ser358: QT(p-S)MS.
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: This gene belongs to the protein kinase superfamily. The encoded protein contains a protein kinase-like domain; however, is thought to be inactive because it lacks several residues required for activity. This protein plays a critical role in tumor necrosis factor (TNF)-induced necroptosis, a programmed cell death process, via interaction with receptor-interacting protein 3 (RIP3), which is a key signaling molecule in necroptosis pathway. Inhibitor studies and knockdown of this gene inhibited TNF-induced necrosis. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Sep 2015].

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)

Reactivity: (predicted: Human)

Predicted MW.: 54 kDa

Subcellular Location: Cell membrane ,Cytoplasm

SELECTED CITATIONS

- **[IF=9.3]** Ke Mo. et al. Targeting hnRNPC suppresses thyroid follicular epithelial cell apoptosis and necroptosis through m6A-modified ATF4 in autoimmune thyroid disease. PHARMACOL RES. 2023 Sep;:106933 IF ;Human. 37729957
- **[IF=6.792]** Lu Peng. et al. Polychlorinated biphenyl quinone regulates MLKL phosphorylation that stimulates exosome biogenesis and secretion via a short negative feedback loop. Environ Pollut. 2021 Apr;274:115606 WB ;Human. 33190980
- **[IF=6.9]** Duo Ma. et al.Discovery of Potent and Balanced Dual RIPK2 and 3 Inhibitors as a New Strategy for the Treatment of Inflammatory Bowel Diseases..JOURNAL OF MEDICINAL CHEMISTRY.2025 Mar 25. Western blot,IHC,IF ;Mouse. 40131099
- **[IF=6.208]** Yanyan Yi. et al. Zearalenone Induces MLKL-Dependent Necroptosis in Goat Endometrial Stromal Cells via the Calcium Overload/ROS Pathway. INT J MOL SCI. 2022 Jan;23(17):10170 WB ;Goat. 36077566
- **[IF=3.274]** Yang B et al. Polychlorinated Biphenyl Quinone Promotes Macrophage-Derived Foam Cell Formation. Chem Res Toxicol. 2019 Nov 13. WB ;Mouse. 31680514