bsm-33331M

- DATASHEFT ------

[Primary Antibody]

phospho-MLKL (Ser358) Mouse mAb



www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

DATASHEET			
Host: M	ouse	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: M	onoclonal	CloneNo.: 8C4	IHC-F (1:100-500) IF (1:100-500)
GenelD: 19	97259	SWISS: Q8NB16	ICC/IF (1:100-500)
Target: MLKL (Ser358)			Reactivity: (predicted: Human)
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			Predicted MW.: ^{54 kDa}
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.			Subcellular Location: ^{Cell} membrane ,Cytoplasm
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].			

- 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=4.7] Haoyu Zhang. et al. Inhibition of MMP9 ameliorates neutrophil extracellular traps-mediated necroptosis through regulation of impaired autophagy in severe acute pancreatitis. INT IMMUNOPHARMACOL. 2025 Sep;162:115109 IF ;Mouse. 40577966