
phospho-MLKL (Ser358) Mouse mAb

Catalog Number: bsm-33331M

Target Protein: phospho-MLKL (Ser358)

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 8C4

Isotype: IgG

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

Entrez Gene: 197259

Swiss Prot: Q8NB16

Source: KLH conjugated Synthesised monomethylpeptide derived from human MLKL around the phosphorylation site of Ser358: QT(p-S)MS.

Purification: affinity purified by Protein G

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].

PRODUCT SPECIFIC PUBLICATIONS

[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=6.208] 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

[IF=3.231] Yanyan Yi. et al. Staphylococcus aureus-Induced Necroptosis Promotes Mitochondrial Damage in Goat Endometrial Epithelial Cells. ANIMALS. 2022 Jan;12(17):2218 IF ; Goat . 10.3390/ani12172218