

bs-25447R**[Primary Antibody]****phospho-MLKL (Ser345) Rabbit pAb****BioSS**
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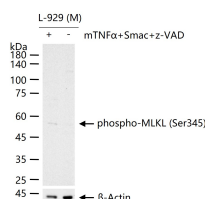
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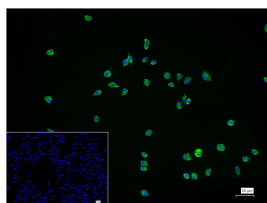
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ICC/IF (1:50-200)
Clonality: Polyclonal		Reactivity: Human, Mouse
GeneID: 74568	SWISS: Q9D2Y4	
Target: MLKL (Ser345)		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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].		Observed MW.: 54 kDa Subcellular Location: Cell membrane ,Cytoplasm

— VALIDATION IMAGES —

L-929 (M) cells were treated with or without mTNF alpha (20 ng/ml) Smac mimetic (100 nM) and z-VAD (20 μM) for 8 h, 25 μg total protein per lane of cell lysates (see on figure) probed with phospho-MLKL (Ser345) polyclonal antibody, unconjugated (bs-25447R) at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed L-929 (treated with 20 ng/ml TNF alpha, 100 nM Smac mimetic, and 20 μM z-VAD for 8 h) (M) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (phospho-MLKL (Ser345)) polyclonal Antibody, unconjugated (bs-25447R) 1:100, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.