

For Research Use Only

CoraLite® Plus 488-conjugated MLKL Monoclonal antibody

Catalog Number: CL488-66675

Featured Product

2 Publications



Basic Information

Catalog Number: CL488-66675	GenBank Accession Number: BC028141	Purification Method: Protein G purification
Size: 100ul , Concentration: 2000 µg/ml by Nanodrop;	GeneID (NCBI): 197259	CloneNo.: 3D4C6
Source: Mouse	UNIPROT ID: Q8NB16	Recommended Dilutions: IF-P 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: mixed lineage kinase domain-like	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG15188	Calculated MW: 471 aa, 54 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications: IF/ICC, IF-P	Positive Controls: IF-P : human liver cancer tissue, IF/ICC : HepG2 cells,
Cited Applications: IF	
Species Specificity: human, mouse	
Cited Species: mouse	

Background Information

Mixed lineage kinase domain like pseudokinase (MLKL), belongs to the protein kinase superfamily, has two MW of 54 and 30 kDa. MLKL 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. High levels of this protein and RIP3 are associated with inflammatory bowel disease in children.

Notable Publications

Author	Pubmed ID	Journal	Application
Han-Xi Sha	39309425	Int J Biol Sci	IF
Wen-Jing Zhong	36879273	J Transl Med	IF,FC

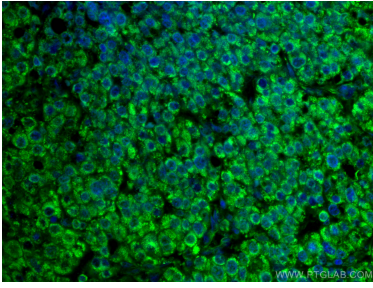
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

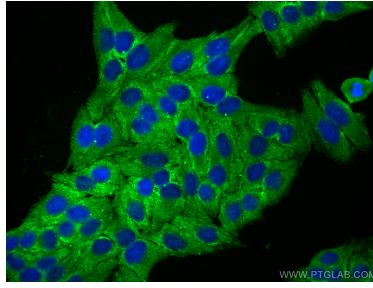
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite® Plus 488-conjugated MLKL antibody (CL488-66675, Clone: 3D4C6) at dilution of 1:100.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 MLKL antibody (CL488-66675, Clone: 3D4C6) at dilution of 1:200.