

For Research Use Only

MLKL Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87741-1-PBS



Basic Information

Catalog Number: 87741-1-PBS	GenBank Accession Number: BC028141	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 197259	CloneNo.: 253011B11
Isotype: IgG	UNIPROT ID: Q8NB16	
Immunogen Catalog Number: AG15188	Full Name: mixed lineage kinase domain-like	
	Calculated MW: 471 aa, 54 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Background Information

MLKL is a pseudokinase effector of necroptosis that becomes activated through RIPK3-mediated phosphorylation, leading to oligomerization and plasma membrane disruption. By executing necroptotic cell death and promoting release of inflammatory mediators, MLKL plays a central role in innate immunity, inflammatory pathology, and host defense. Dysregulation of MLKL-dependent necroptosis has been linked to inflammatory disorders, infection, and cancer-related immune responses.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

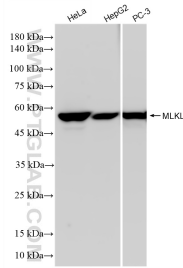
T: 4006900926

E: Proteintech-CN@ptglab.com

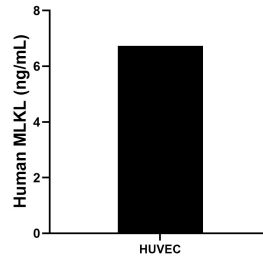
W: ptgcn.com

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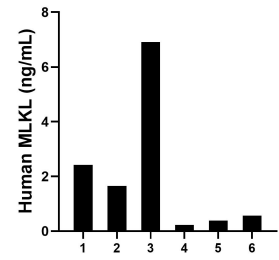
Selected Validation Data



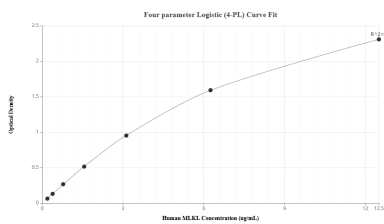
Various lysates were subjected to SDS PAGE followed by western blot with 87741-1-RR (MLKL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87741-1-PBS in a different storage buffer formulation.



The mean MLKL concentration was determined to be 6.73 ng/mL in HUVEC cell extract based on a 1.2 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The human MLKL concentration of detected samples was determined to be 2.02 ng/mL with a range of 0.22 - 6.91 ng/mL.



Sandwich ELISA standard curve of MP03218-1, Human MLKL Recombinant Matched Antibody Pair - PBS only. 87741-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag15188. 87741-2-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL