

Materials List for:

Characterization of MLKL-mediated Plasma Membrane Rupture in Necroptosis

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Materials

Name	Company	Catalog Number	Comments
Cloning and cell line generation			
pRetroX-TRE3G	Clontech	631188	
Tet-On transactivator plasmid			Llambi <i>et al.</i> , 2016
Mouse Embryonic Fibroblasts (MEFs) mlkl ^{-/-}			Dillon <i>et al.</i> , 2014
Blasticidin S Hydrochloride	Thermo Fisher Scientific	BP2647100 CAS#3513-03-9	
Cell death quantification and live-cell microscopy			
Doxycycline	Clontech	631311 CAS# 24390-14-5	
B/B Homodimerizer AP20187	Takara	635059 CAS# 195514-80-8	
SYTOX Green	Thermo Fisher Scientific	S7020	
Syto16	Thermo Fisher Scientific	S7578	
NMR			
15 N Ammonium Chloride	Cambridge Isotope Laboratories	NLM-467-10 CAS# 12125-02-9	
Deuterated DTT	Cambridge Isotope Laboratories	DLM-2622-1	
Deuterium Oxide	Sigma Aldrich	617385-1 CAS# 7789-20-0	
n-Dodecyl-β-D-Maltopyranoside	Anatrace	D310 CAS# 69227-93-6	
L-α-phosphatidylinositol-4,5-bisphosphate (Brain, Porcine) (ammonium salt)	Avanti Polar Lipids	840046X CAS# 383907-42-4	
1,2-distearoyl-sn-glycero-3-phosphoinositol (ammonium salt) (18:0 PI)	Avanti Polar Lipids	850143 CAS# 849412-67-5	
1,2-dioleoyl-sn-glycero-3-phospho-(1'-myo-inositol) (ammonium salt) (18:1)	Avanti Polar Lipids	850149 CAS# 799268-53-4	
Specialized Equipment			
IncuCyte FLR or ZOOM	Essen BioScience, Inc.		Live-cell microscopy imaging
Helios NanoLab 660 DualBeam	Thermo Fisher Scientific		Electron microscope
Software			
IncuCyte 2011A Rev2 v20111.3.4288 (FLR)	Essen BioScience, Inc.	http://www.essenbioscience.com	Imaging analysis
FEI MAPS	Thermo Fisher Scientific	https://www.fei.com/software/maps/	EM analysis
TopSpin v3.2	Bruker BioSpin	http://www.bruker.com	NMR data collection
CARA v1.9.1.7		http://cara.nmr.ch/	NMR data analysis

Slidebook	3i (Intelligent Imaging Innovations)	https://www.intelligent-imaging.com/slidebook	Confocal microscopy
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