

Materials List for:

# Myeloid Innate Signaling Pathway Regulation by MALT1 Paracaspase Activity

Adeline Unterreiner<sup>1</sup>, Ratiba Touil<sup>1</sup>, Daniele Anastasi<sup>1</sup>, Nicolas Dubois<sup>1</sup>, Satoru Niwa<sup>1</sup>, Thomas Calzascia<sup>1</sup>, Frederic Bornancin<sup>1</sup>

<sup>1</sup>Autoimmunity, Transplantation and Inflammation, Novartis Institutes for BioMedical Research

\*These authors contributed equally

Correspondence to: Frederic Bornancin at [frederic.bornancin@novartis.com](mailto:frederic.bornancin@novartis.com)

URL: <https://www.jove.com/video/58439>

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## Materials

Name	Company	Catalog Number	Comments
100 µm nylon cell strainer	Sigma	CLS431752	
14 mL Falcon tube	BD Falcon	352057	
15 mL Falcon tube	Falcon	352090	
50 mL Falcon tube	Falcon	352070	
6 well plates	Costar	3516	
96 well flat-bottom plate, with low evaporation lid	Costar	3595	
96 well V-bottom plate	Costar	734-1798	
Ammonium Chloride - NH <sub>4</sub> Cl	Sigma	A9434	
Assay diluent RD1-W ELISA	R&D	895038	Assay diluent
Cell culture microplate, 384 well, black	Greiner	781986	
Depleted Zymosan	Invivogen	ttrl-dzn	now: ttrl-zyd
Dimethyl sulfoxide	Sigma	D2650	DMSO
EDTA-Na <sub>2</sub>	Sigma	E5134	Ethylenediaminetetraacetic acid disodium salt dihydrate
ELISA µTNF-α	R&D	SMTA00	
Ficoll-Paque Plus	GE Healthcare	17-1440-03	
gentleMACS C tubes	MACS Miltenyi Biotec	130-096-334	
gentleMACS dissociator	MACS Miltenyi Biotec	130-093-235	
GM-CSF	Novartis	-	
Heat-inactivated Fetal bovine serum	Gibco	10082	FBS
HTRF hu IL-23	CisBio	62HIL23PEG	
HTRF hu TNF-α	CisBio	62TNFPEC	
HTRF reconstitution buffer	CisBio	62RB3RDE	50mM Phosphate buffer, pH 7.0, 0.8M KF, 0.2% BSA
IFN-γ	R&D	L4516	
IL-4	Novartis	-	
Isoflurane	Abbott	Forene	
Lipopolysaccharides (LPS)	Sigma	L4391	LPS used in human samples
Lipopolysaccharides	Sigma	L4516	LPS used in murine samples
Lysis buffer	Self-made	-	155 mM NH <sub>4</sub> Cl, 10 mM KHCO <sub>3</sub> , 1 mM EDTA, pH 7.4
Magnet	Stemcell	18001	
Microplate, 384 well white	Greiner	784075	

Monocytes enrichment kit	Stemcell	19059	
Nalgene Mr. Frosty Cryo 1°C Freezing Container	Nalgene	5100-0001	cooling device (containing Propanol-2)
PBS 1x pH 7.4 [-] CaCl <sub>2</sub> [-] MgCl <sub>2</sub>	Gibco	10010	Phosphate-buffered saline
Penicillin/Streptomycin	Gibco	15140	Pen/Strep
Potassium bicarbonate - KHCO <sub>3</sub>	Sigma	P9144	
PrestoBlue	Invitrogen	A13262	Resazurin solution for viability assessment
Propanol-2	Merck	1.09634	
Read buffer	MesoScale Discovery	R92TC-3	Tris-based buffer containing tripropylamine
Recovery cell culture freezing medium	Gibco	12648-010	freezing medium
Roswell Park Memorial Institute Medium (RPMI) with Glutamax	Gibco	61870	+ 10% FBS for iMoDCs + 10% FBS + 1 mM Sodium Pyruvate + 100 U/mL Pen/Strep + 5 μM β-mercaptoethanol for human PBMCs and monocytes + 10% FBS + Pen/Strep + 5 μM β-mercaptoethanol for murine splenocytes
Separation buffer	Self-made	-	PBS pH 7.4 + 2% FBS + 1 mM EDTA pH 8.0
Sodium Pyruvate	Gibco	11360	
Trehalose-6,6-dibehenate	Invivogen	ttrl-tdb	TDB
Tween 20	Sigma	P7949	Polysorbate 20
UltraPure 0.5 M EDTA pH 8.0	Invitrogen	15675	Ethylenediaminetetraacetic acid
Viewseal sealer	Greiner BioOne	676070	
V-PLEX Proinflammatory Panel 1 Human Kit	MesoScale Discovery	K15049D	electrochemiluminescent multiplex assay (IL-1β, TNF-α, IL-6, IL-8)
β-Mercaptoethanol	Gibco	31350	