

Materials List for

Immunopeptidomics: Isolation of Mouse and Human MHC Class I- and II-Associated Peptides for Mass Spectrometry Analysis

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jove.com/video/63052

Materials

Name	Company	Catalog Number	Comments
A20 cell line	ATCC	TIB-208	mouse B lymphoblast
Acetonitrile, LC/MS Grade	FisherScientific	A955-4	
anti-Human HLA A, B, C (W6/32) - MHC class I	BioXcell	BE0079	
anti-Human/Monkey HLA-DR (L243) - MHC class II	BioXcell	BE0308	
anti-Mouse H2 (M1/42.3.9.8) - MHC class I	BioXcell	BE0077	
anti-Mouse H2-IA/IE (M5/114) - MHC class II	BioXcell	BE00108	
anti-Mouse H2Kb (Y3) - MHC class I	BioXcell	BE0172	
BupH Phosphate Buffered Saline Packs (PBS)	ThermoFisher	28372	Pouch contents dissolved in a final volume of 500 mL deionized water (FisherScientific, W64)
CHAPS (3-[(3-cholamidopropyl)dimethylammonio]-1-propanesulfonate)	EMDMillipore	220201-10MG	
CNBr-activated Sepharose	Cytivia	# 17-0430-01	
EL4 cell line	ATCC	TIB-39	mouse T lymphoblast
epTIPS LoRetention Tips, 1000 µL/ Eppendorf	FisherScientific	02-717-352	Better results with low retention material
epTIPS LoRetention Tips, 200 µL/ Eppendorf	FisherScientific	02-717-351	Better results with low retention material
Formic Acid, LC/MS Grade	FisherScientific	A117-50	
Glycine	FisherScientific	RDCG0250500	
Hydrochloric acid solution	FisherScientific	60-007-11	
JY cell line	Sigma Aldrich	94022533-1VL	EBV-immortalised B cell lymphoblastoid line

Methanol, LC/MS Grade	FisherScientific	A456-4	
Poly prep chromatography columns (polypropylene column)	Bio-Rad	731-1550	referred as polypropylene column in the protocol
Proteases inhibitor	ThermoFisher	A32963	1 pellet per 10 mL of cell lysis buffer
Qifikit	Dako	K007811-8	
Sodium Bicarbonate	Amresco	# 0865-1kg	
Sodium Chloride	FisherScientific	MSX04201	
Solid phase extraction disk, ultramicrospin column C18	The nest group	SEMSS18V	capacity of 6–60 µg, max volume of 200 µL
Trifluoroacetic Acid (TFA), LC-MS Grade	FisherScientific	PI85183	
Tris	FisherScientific	T395-500	
Tris-HCl	FisherScientific	#10812846001	
Tube LoBind 1.5 mL/Eppendorf	FisherScientific	E925000090	Better results with low retention material
Tube LoBind 2 mL/Eppendorf	FisherScientific	13-698-795	Better results with low retention material
Water, LC/MS Grade	FisherScientific	W64	