

Materials List for:

Genome-wide Analysis of HDAC Inhibitor-mediated Modulation of microRNAs and mRNAs in B Cells Induced to Undergo Class-switch DNA Recombination and Plasma Cell Differentiation

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Materials

Name	Company	Catalog Number	Comments
C57BL/6 mice	Jackson Labs	664	
Corning cellgro RPMI 1640 Medium (Mod.) 1X with L-Glutamine (Size: 6 x 500mL; With L-Glutamine)	Fisher Scientific	MT 10-040-CV	
FBS	Hyclone	SH300	
HyClone Antibiotic Antimycotic Solution 100 mL	Fisher Scientific - Hyclone	SV3007901	
β-Mercaptoethanol	Fisher Scientific	44-420-3250ML	
Falcon Cell Strainers	Fisher Scientific	21008-952	
Trypan Blue Stain 0.04%	GIBCO/Life Technologies/Inv	15250	
ACK Lysis Buffer	Fisher Scientific	BW10-548E	
Hausser Scientific Bright-Line Counting Chamber	Fisher Scientific	02-671-51B	
EasySep Magnet	Stem Cell Technologies	18000	
Falcon Round-Bottom Polystyrene Tubes with Cap	Fisher Scientific	14-959-1A	
EasySep Mouse B cell Isolation Kit	Stem Cell Tech	19854	
BD Needle Only 18 Gauge 1.5 inch SHORT BEVEL 100/box	BD Biosciences	305199	
PE/Cy7 anti-mouse CD138 (Syndecan-1) Antibody	BioLegend	142513 (25 ug)	
PE-Cy7 B220 antibody	BioLegend	103222	
7-AAD (1 mg)	Sigma Aldrich	A9400-1MG	
APC anti-mouse/human CD45R/ B220 antibody	Biolegend	103212	
Mouse APC-IgG1 200 µg	Biolegend	406610	
FITC anti-mouse IgM Antibody	Biolegend	406506	
FITC anti-mouse/human CD45R/ B220 Antibody	Biolegend	103206	
PE Anti-Human/Mouse CD45R (B220) (RA3-6B2)	Biolegend	103208	
HBSS 1X	Fisher Scientific	MT-21-022-CM	
Bovine Serum Albumin, Fraction V, Heat Shock Treated	Fisher Scientific	BP1600-100	

LPS 25mg (Lipopolysaccharides from Escherichia coli 055:B5)	Sigma Aldrich	L2880-25MG	
Recombinant mouse IL-4 (carrier-free)	BioLegend	574302 (size: 10 ug)	
Valproic acid sodium salt	Sigma Aldrich	P4543	
SterilGARD e3 Class II Type A2 Biosafety Cabinet	The Baker Company	SG404	
Large-Capacity Reach-In CO ₂ Incubator	Thermo Scientific	3950	
Isotemp Digital-Control Water Baths: Model 205	Fisher Scientific	15-462-5Q	
5mL Round Bottom Polystyrene Test Tube	Fisher Scientific	14-959-5	
Corning CentriStar 15ml Centrifuge Tubes	Fisher Scientific	05-538-59A	
1.7 mL Microtube, clear	Genesee	22-282	
Higher-Speed Easy Reader Plastic Centrifuge Tubes 50ml	Fisher Scientific	06-443-18	
ELMI SkySpin CM-6MT	ELMI	CM-6MT	
Rotor 6M	ELMI	6M	
Rotor 6M.06	ELMI	6M.06	
Drummond Portable Pipet-Aid XP Pipet Controller	Drummond Scientific	4-000-101	
25 mL serological pipette tips	Fisher Scientific	89130-900	
10 mL serological pipette tips	Fisher Scientific	89130-898	
5 mL serological pipette tips	Fisher Scientific	898130-896	
48-well plates	Fisher Scientific	07-200-86	
Allegra 6 Benchtop Centrifuge, Non-Refrigerated	Beckman Coulter	366802	
GH-3.8A Rotor, Horizontal, ARIES Smart Balance	Beckman Coulter	366650	
Allegra 25R Benchtop Centrifuge, Refrigerated	Beckman Coulter	369434	
TA-15-1.5 Rotor, Fixed Angle	Beckman Coulter	368298	
Fisher Scientific AccuSpin Micro 17	Fisher Scientific	13-100-675	
Fisher Scientific Analog Vortex Mixer	Fisher Scientific	02-215-365	
miRNeasy Mini Kit (50)	Qiagen	217004	
Direct-zol RNA MiniPrep kit	Zymo Research	R2050	
Chloroform (Approx. 0.75% Ethanol as Preservative/Molecular Biology)	Fisher Scientific	BP1145-1	
Rnase-Free Dnase set (50)	QIAGEN	79254	
NanoDrop 2000 Spectrophotometers	Thermo Scientific	ND-2000	
Superscript III First-strand Synthesis System RT-PCR	Invitrogen	175013897	
iTaq Universal SYBR Green Supermix	Bio-rad	172-5121	
Fisherbrand 96-Well Semi-Skirted PCR Plates, case of 25	Fisher	14-230-244	
Microseal 'B' Adhesive Seals	Bio-Rad	MSB-1001	

MyiQ Optics Module	Bio-Rad	170-9744	
iCycler Chassis	Bio-Rad	170-8701	
Optical Kit	Bio-Rad	170-9752	
BD LSR II Flow Cytometry Analyzer	BD Biosciences		
FACSDiva software	BD Biosciences		
FlowJo 10	BD Biosciences		
2100 Bioanalyzer	Agilent Technologies	G2943CA	
S200 Focused-ultrasonicator	Covaris	S200	
SPRIworks Fragment Library System I for Illumina	Beckman Coulter	A288267	
cBot Cluster Generation Station	illumina	SY-312-2001	
HiSeq 2000 Genome Sequencer	Illumina	SY-401-1001	
TruSeq RNA Library Prep Kit v2	Illumina	RS-122-2001	
TruSeq Small RNA Library Prep Kit	Illumina	RS-200-0012	
NEXTflex Illumina Small RNA Sequencing Kit v3	Bioo Scientific	5132-05	
2200 TapeStation	Agilent	G2964AA	