

Materials List for

# Analysis of Somatic Hypermutation in the JH4 intron of Germinal Center B cells from Mouse Peyer's Patches

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## Materials

Name	Company	Catalog Number	Comments
0.2 ml PCR 8-tube FLEX-FREE strip, attached clear flat caps, mixed	USA Scientific	1402-4708	
Ampicillin sodium salt	Fisher	BP1760-5	
APC-eFluor780 anti-CD45R/B220	eBioscience	47-0452-80	clone RA3-6B2
BD FACSAria II	BD	643186	four lasers (405nm, 488nm, 561nm, 633nm) and 12 filters (PacBlue (450/50), AmCyan (502LP; 530/30), SSC (488/10), FITC (502LP; 530/30), PerCP-Cy5.5 (655LP; 695/40), PE (585/15), PE-Texas Red (600LP; 610/20), PE-Cy5 (630LP; 670/14), PE-Cy7 (735LP; 780/60), APC (660/20), Alexa700 (710LP; 730/45), APC-Cy7 (755LP; 780/60))
BD slip tip 1mL syringe	Fisher	14-823-434	sterile
Biotinylated peanut agglutinin (PNA)	Vector Labs	B-1075-5	
C57BL/6J mice	Jackson Laboratories	664	
Corning Falcon test tube with cell strainer snap cap	Fisher	08-771-23	
DAPI (4',6-Diamidino-2-Phenylindole, dihydrochloride)	Fisher	D1306	0.5 mg/ml
dNTP	NEB	N0447L	10 mM
ElectroMAX DH10B competent cells	Fisher	18-290-015	
Falcon cell strainer 40mm	Fisher	08-771-1	
Falcon round-bottom polystyrene tubes (FACS tubes)	Fisher	14-959-5	
Falcon round-bottom polystyrene tubes (capped)	Fisher	149591A	
Fetal bovine serum	R&D Systems (Atlanta Biologicals)	S11150	
Gibco phosphate buffered saline PBS pH 7.4	Fisher	10-010-049	

Glycogen	Sigma	10901393001	
Lasergene Molecular Biology (MegAlign Pro)	DNA Star		version 15
PE anti-CD45R/B220	BD	553090	clone RA3-6B2
Proteinase K	Fisher	BP1700-100	
Q5 High-Fidelity DNA Polymerase	NEB	M0491L	
QIAquick Gel Extraction Kit	Qiagen	28706	
Seal-Rite 1.5mL microcentrifuge tubes	USA Scientific	1615-5500	
Streptavidin APC-eFluor 780 Conjugate	eBioscience	47-4317-82	
T4 DNA ligase	NEB	M020L	
Thermo Scientific CloneJET PCR Cloning Kit	ThermoFisher	FERK1231	
Tissue culture plate 6 well	Fisher	08-772-1B	sterile
Unlabeled anti-mouse CD16/CD32 (Fc block), BD	Fisher	BDB553142	Clone 2.4G2