

Materials List for:

Single-cell Screening Method for the Selection and Recovery of Antibodies with Desired Specificities from Enriched Human Memory B Cell Populations

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Materials

Name	Company	Catalog Number	Comments
MoFlo Astrio EQ, Cell Sorter	MoFlo		cell sorting
Biotinylated peptides	New England Peptide		Cell sorting "bait"
Micro Bio-spin P30 gel column	BioRad	#7326223	
Streptavidin (R-PE)	Thermo Scientific	SA10041	
Streptavidin (APC)	Thermo Scientific	S32362	
CD22 MicroBeads, human	Miltenyi	#130-046-401	
LS columns	Miltenyi	#130-042-401	
Pre separation filters	Miltenyi	#130-041-407	
PerCp-Cy5.5 mouse anti-human CD19	BD Biosciences	BD#340951	
PE-Cy7 mouse anti-human CD27	BD Biosciences	#560609	
FITC mouse anti-human IgG	BD Biosciences	#560952	
DAPI	Life Technologies	#D21490	
RNaseOUT	Life Technologies	#10777-019	
Bovine serum albumin, Fraction V	Sigma	#A4503	
RPMI media	Hyclone	#SH30096.01	
HI FBS (Fetal bovine serum)	Invitrogen	#10082147	
Mastercycler Gradient	Eppendorf	Model #6325	PCR machine
PCR 96-well plates	Phenix	MPS-500	
PCR Plate mats	Phenix	SMX-PCR96	
Advantage UltraPure PCR Deoxynucleotide Mix	Clontech	#639125	
Superscript IV First-strand synthesis system	Invitrogen	#18091050	
Phusion High Fidelity Polymerase	Thermo Scientific	F-531-L	
Platinum polymerase	Invitrogen	#10966108	
Nuclease-free water	QIAGEN	#129114	
Oligonucleotide primers	IDT	assorted	Primers for all PCR steps
Gel Extraction Kit	QIAGEN	#28706	
PCR Purification kit	QIAGEN	#28106	
Miniprep Kit	QIAGEN	#27106	
NEBuilder HiFi DNA Assembly Cloning Kit	New England Biolabs	E5520S	Gibson assembly
Expi293 Expression Media	Invitrogen	#A14351-01	

ExpiFectamine 293 Transfection Kit	Invitrogen	#A14525	
Opti-MEM Media	Invitrogen	#31985070	
CO ₂ incubator (Multitron)			
Octet RED384 System	Pall/ Forte Bio		
Pierce Streptavidin Coated High Binding Capacity Clear 96-well Plates	Thermo Scientific	#15500	
Corning Costar 96-well Polystyrene Plate High Binding Half Area	Corning	#3690	
Goat Anti-human IgG Fab Secondary Antibody	Jackson Labs	#109-036-097	
Goat Anti-mouse HRP Secondary Antibody	Jackson Labs	#115-035-072	
SureBlue™ TMB Microwell Peroxidase Substrate (1-Component)	KPL	#52-00-03	
TMB Stop Solution	KPL	#50-85-06	