

Materials List for:

# A Combinatorial Single-cell Approach to Characterize the Molecular and Immunophenotypic Heterogeneity of Human Stem and Progenitor Populations

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## Materials

Name	Company	Catalog Number	Comments
CD14 PECY5	eBioscience	15-0149-42	Clone: 61D3
CD16 PECY5	Biologend	302010	Clone: 3G8
CD56 PECY5	Biologend	304608	Clone: MEM-188
CD19 PECY5	Biologend	302210	Clone: HIB19
CD2 PECY5	Biologend	300210	Clone: RPA-2.10
CD3 PECY5	Biologend	300310	Clone: HIT3a
CD123 PECY5	Biologend	306008	Clone: 6H6
CD235A PECY5	BD Pharma	559944	Clone GAR2
CD34 FITC	Biologend	343604	Clone: 561
CD38 APC	Biologend	303510	Clone: Hit2
CD90 PE	Biologend	328110	Clone: 5E10
CD45RA BV421	BD bioscience	560362	Clone: HI100
CD49f Pcy7	eBioscience	25-0495-82	Clone: eBioGOH3
FBS	HyClone	SV30160.3	
PBS	HyClone	SH30028.02	
96-well u-bottom Plate	VWR	10861-564	
SFEM	Stem cell technologies	9650	
Penicillin streptomycin	HyClone	SV30010	
TPO	Peptotech	300-18	
SCF	Peptotech	300-07	
FLT3L	Peptotech	300-19	
Falcon Tube 15 mL	Sarstedt	62.554.502	
Eppendorph tube	Sarstedt	72.690.001	
CST beads	BD	642412	
Accudrop Beads	BD	345249	6 µm particles
Adhesive film Clear	Thermo scientific	AB-1170	
Adhesive film Foil	Thermo scientific	AB-0626	
96 well PCR plate	Axygen	PCR-96M2-HS-C	
PCR 1.5 mL tube	Axygen	MCT-150-L-C	
T100 PCR cycler	BioRad	186-1096	
10% NP40	Thermo scientific	85124	
10 mM dNTP	Takara	4030	
0.1 M DTT	Invitrogen	P2325	
RNAsout	Invitrogen	10777-019	RNAse inhibitor

CellsDirect One-Step qRT-PCR Kit	Invitrogen	11753-100	
Neuclease free water	Invitrogen	11753-100	from CellsDirect kit
2x Reaction Mix	Invitrogen	11753-100	from CellsDirect kit
SuperScript III RT/Platinum Taq Mix	Invitrogen	11753-100	from CellsDirect kit
Platinum Taq DNA Polymerase	Invitrogen	10966026	
TaqMan Cells-to-CT Control Kit	Invitrogen	4386995	
Xeno RNA Control	Invitrogen	4386995	From TaqMan Cells-to-CT Control Kit
20x Xeno RNA Control Taqman Gene Expression Assay	Invitrogen	4386995	From TaqMan Cells-to-CT Control Kit
96.96 Sample/Loading Kit—10 IFCs	Fluidigm	BMK-M10-96.96	
2x Assay Loading Reagent	Fluidigm		From 96.96 Sample/Loading Kit
20x GE Sample Loading Reagent	Fluidigm		From 96.96 Sample/Loading Kit
Control line fluid	Fluidigm		From 96.96 Sample/Loading Kit
TaqMan Gene Expression Master Mix	Applied Biosystems	4369016	
BioMark HD	Fluidigm	BMKHD-BMKHD	
96.96 Dynamic Array IFC	Fluidigm	BMK-M10-96.96GT	
Excel	Microsoft	Microsoft	
FlowJo V10	TreeStar	TreeStar	
Fluidigm real time PCR analysis	Fluidigm	Fluidigm	
CD179a.VPREB1	Thermofisher scientific	Hs00356766_g1	
ACE	Thermofisher scientific	Hs00174179_m1	
AHR	Thermofisher scientific	Hs00169233_m1	
BCR_ABL.52	Thermofisher scientific	Hs03043652_ft	
BCR_ABL41	Thermofisher scientific	Hs03024541_ft	
BMI1	Thermofisher scientific	Hs00995536_m1	
CCNA2	Thermofisher scientific	Hs00996788_m1	
CCNB1	Thermofisher scientific	Hs01030099_m1	
CCNB2	Thermofisher scientific	Hs01084593_g1	
CCNC	Thermofisher scientific	Hs01029304_m1	
CCNE1	Thermofisher scientific	Hs01026535_g1	
CCNF	Thermofisher scientific	Hs00171049_m1	
CCR9	Thermofisher scientific	Hs01890924_s1	
CD10.MME	Thermofisher scientific	Hs00153510_m1	
CD11a	Thermofisher scientific	Hs00158218_m1	
CD11c.ITAX	Thermofisher scientific	Hs00174217_m1	
CD123.IL3RA	Thermofisher scientific	Hs00608141_m1	
CD133.PROM1	Thermofisher scientific	Hs01009250_m1	
CD151	Thermofisher scientific	Hs00911635_g1	
CD220.INSR	Thermofisher scientific	Hs00961554_m1	
CD24.HSA	Thermofisher scientific	Hs03044178_g1	
NCOR1	Thermofisher scientific	Hs01094540_m1	
CD26.DPP4	Thermofisher scientific	Hs00175210_m1	
CD274	Thermofisher scientific	Hs01125301_m1	

CD276	ThermoFisher scientific	Hs00987207_m1	
CD32.FCGR2B	ThermoFisher scientific	Hs01634996_s1	
CD33	ThermoFisher scientific	Hs01076281_m1	
CD34	ThermoFisher scientific	Hs00990732_m1	
CD344.FZD4	ThermoFisher scientific	Hs00201853_m1	
CD352.SLAMF6	ThermoFisher scientific	Hs01559920_m1	
CD38	ThermoFisher scientific	Hs01120071_m1	
CD4	ThermoFisher scientific	Hs01058407_m1	
CD41.ITGA2B	ThermoFisher scientific	Hs01116228_m1	
CD49f.ITGA6	ThermoFisher scientific	Hs01041011_m1	
CD56.NCAM1	ThermoFisher scientific	Hs00941830_m1	
CD9	ThermoFisher scientific	Hs00233521_m1	
CD97	ThermoFisher scientific	Hs00173542_m1	
CD99	ThermoFisher scientific	Hs00908458_m1	
CDK6	ThermoFisher scientific	Hs01026371_m1	
CDKN1A	ThermoFisher scientific	Hs00355782_m1	
CDKN1B	ThermoFisher scientific	Hs01597588_m1	
CDKN1C	ThermoFisher scientific	Hs00175938_m1	
CEBPa	ThermoFisher scientific	Hs00269972_s1	
CSF1r	ThermoFisher scientific	Hs00911250_m1	
CSF2RA	ThermoFisher scientific	Hs00531296_g1	
CSF3RA	ThermoFisher scientific	Hs01114427_m1	
E2A.TCF3	ThermoFisher scientific	Hs00413032_m1	
EBF1	ThermoFisher scientific	Hs01092694_m1	
ENG	ThermoFisher scientific	Hs00923996_m1	
EPOR	ThermoFisher scientific	Hs00959427_m1	
ERG	ThermoFisher scientific	Hs01554629_m1	
FLI1	ThermoFisher scientific	Hs00956711_m1	
FLT3	ThermoFisher scientific	Hs00174690_m1	
FOXO1	ThermoFisher scientific	Hs01054576_m1	
GAPDH	ThermoFisher scientific	Hs02758991_g1	
GATA1	ThermoFisher scientific	Hs00231112_m1	
GATA2	ThermoFisher scientific	Hs00231119_m1	
GATA3	ThermoFisher scientific	Hs00231122_m1	
GFI1	ThermoFisher scientific	Hs00382207_m1	
HES1	ThermoFisher scientific	Hs01118947_g1	
HLF	ThermoFisher scientific	Hs00171406_m1	
HMGA2	ThermoFisher scientific	Hs00171569_m1	
HOXA5	ThermoFisher scientific	Hs00430330_m1	
HOXB4	ThermoFisher scientific	Hs00256884_m1	
ID2	ThermoFisher scientific	Hs04187239_m1	
IGF2BP1	ThermoFisher scientific	Hs00198023_m1	
IGF2BP2	ThermoFisher scientific	Hs01118009_m1	
IKZF1	ThermoFisher scientific	Hs00172991_m1	
IL1RAP	ThermoFisher scientific	Hs00895050_m1	
IL2RG	ThermoFisher scientific	Hs00953624_m1	

IRF8	ThermoFisher scientific	Hs00175238_m1	
ITGB7	ThermoFisher scientific	Hs01565750_m1	
KIT	ThermoFisher scientific	Hs00174029_m1	
Lin28B	ThermoFisher scientific	Hs01013729_m1	
LMO2	ThermoFisher scientific	Hs00153473_m1	
LYL1	ThermoFisher scientific	Hs01089802_g1	
Meis1	ThermoFisher scientific	Hs01017441_m1	
mKi67	ThermoFisher scientific	Hs01032443_m1	
MPL	ThermoFisher scientific	Hs00180489_m1	
MPO	ThermoFisher scientific	Hs00924296_m1	
NFIB	ThermoFisher scientific	Hs01029175_m1	
Notch1	ThermoFisher scientific	Hs01062011_m1	
Pten	ThermoFisher scientific	Hs02621230_s1	
RAG2	ThermoFisher scientific	Hs01851142_s1	
RPS18	ThermoFisher scientific	Hs01375212_g1	
RUNX1	ThermoFisher scientific	Hs00231079_m1	
Shisa2	ThermoFisher scientific	Hs01590823_m1	
Spi1	ThermoFisher scientific	Hs02786711_m1	
Sterile.IgH	ThermoFisher scientific	Hs00378435_m1	
TAL1	ThermoFisher scientific	Hs01097987_m1	
THY1	ThermoFisher scientific	Hs00264235_s1	
Tim.3.HAVCR2	ThermoFisher scientific	Hs00958618_m1	
VWF	ThermoFisher scientific	Hs00169795_m1	