

Materials List for:

Methods for Evaluating the Role of c-Fos and Dusp1 in Oncogene Dependence

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Materials

Name	Company	Catalog Number	Comments
Biological Materials			
RPMI	Cellgro (corning)	15-040-CV	
DMEM	Cellgro (corning)	15-013-CV	
IMDM	Cellgro (corning)	15-016-CVR	
RetroNectin Recombinant Human Fibronectin Fragment	Takara	T100B	
MethoCult GF M3434 (Methylcellulose for Mouse CFU)	Stem Cell	3434	
MethoCult H4434 Classic (Methylcellulose for Human CFU)	Stem Cell	4434	
4-Hydroxytamoxifen	Sigma	H6278	
Recombinant Murine SCF	Prospec	CYT-275	
Recombinant Murine Flt3-Ligand	Prospec	CYT-340	
Recombinant Murine IL-6	Prospec	CYT-350	
Recombinant Murine IL-7	Peprtech	217-17	
DFC	LKT Laboratories Inc.	D3420	
BCI	Chemzon Scientific	NZ-06-195	
Imatinib	LC Laboratory	I-5508	
Curcumin	Sigma	458-37-7	
NDGA	Sigma	500-38-9	
Penn/Strep	Cellgro (corning)	30-002-CI	
FBS	Atlanta biological	S11150	
Trypsin EDTA 1x	Cellgro (corning)	25-052-CI	
1x PBS	Cellgro (corning)	21-040-CV	
L-Glutamine	Cellgro (corning)	25-005-CL	5 mg/mL stock in water
Puromycin	Gibco (life technologies)	A11138-03	
HEPES	Sigma	H7006	
Na ₂ HPO ₄ ·7H ₂ O	Sigma	S9390	
Protamine sulfate	Sigma	P3369	5 mg/mL stock in water
Trypan Blue solution (0.4%)	Sigma	T8154	
DMSO	Cellgro (corning)	25-950-CQC	
WST-1	Roche	11644807001	
0.45 μM acro disc filter	PALL	2016-10	
70 μm nylon cell stariner	Becton Dickinson	352350	

FICOL (Histopaque 1083) (polysucrose)	Sigma	1083	
PBS	Corning	21040CV	
LS Columns	Miltenyi	130-042-401	
Protease Inhibitor Cocktail	Roche	CO-RO	
Phosphatase Inhibitor Cocktail 2	Sigma	P5762	
Nitrocellulose Membrane	Bio-Rad	1620115	
SuperSignal West Dura Extended Duration Substrate (chemiluminescence substrate)	Thermo Scientific	34075	
CD5	eBioscience	13-0051-82	
CD11b	eBioscience	13-0112-75	
CD45R (B220)	BD biosciences	553092	
CD45.1-FITC	eBioscience	11-0453-85	
CD45.2-PE	eBioscience	12-0454-83	
hCD45-FITC	BD Biosciences	555482	
Anti-Biotin-FITC	Miltenyi	130-090-857	
Anti-7-4	eBioscience	MA5-16539	
Anti-Gr-1 (Ly-6G/c)	eBioscience	13-5931-82	
Anti-Ter-119	eBioscience	13-5921-75	
Ly-6 A/E (Sca1) PE Cy7	BD	558612	
CD117 APC	BD	553356	
BD Pharm Lyse	BD	555899	
BD Cytotfix/Cytoperm (Fixing and permeabilization solution)	BD	554714	
BD Perm/Wash (permeabilization and wash solution for phospho flow)	BD	554723	
phospho p38	Cell Signaling Technologies	4511S	
total p38	Cell Signaling Technologies	9212	
Mouse IgG control	BD	554121	
Alexa Flour 488 conjugated	Invitrogen	A-11034	
Calcium Chloride	Invitrogen	K278001	
2x HBS	Invitrogen	K278002	
EDTA	Ambion	AM9261	
BSA	Sigma	A7906	
Blood Capillary Tubes	Fisher	22-260-950	
Blood Collection Tube	Giene Bio-One	450480	
Newborn Calf Serum	Atlanta biological	S11295	
Erythropoiein	Amgen	5513-267-10	
human SCF	Prospec	CYT-255	
Human IL-3	Prospec	CYT-210	
G-SCF	Prospec	CYT-220	
GM-CSF	Prospec	CYT-221	
MyeloCult (media for LTCIC assay)	Stem Cell Technologies	5100	
Hydrocortisone Sodium Hemisuccinate	Stem Cell Technologies	7904	
MEM alpha	Gibco	12561-056	

1/2 cc Lo-Dose u-100 insulin syringe 28 G1/2	Becton Dickinson	329461	
Mortar pestle	Coor tek	60316 and 60317	
Isoflorane (Isothesia TM)	Butler Schien	29405	
SOC	New England Biolabs	B90920s	
Ampicillin	Sigma	A0166	100 mg/mL stock in water
Bacto agar (agar)	Difco	214050	
Terrific broth	Becton Dickinson	243820	
Agarose	Genemate	E-3119-500	
Doxycycline chow	TestDiet.com	52662	modified RMH1500, Autoclavable 5LK8 with 0.0625% Doxycycline
Tamoxifen	Sigma	T5648	
Iodonitrotetrazolium chloride	Sigma	I10406	
Kits			
Dneasy Blood & tissue kit	Qiagen	69506	
GoTaq Green (taq polymerase with Green loadign dye)	Promega	M1722	
miRNeasy Mini Kit (RNA isolation kit)	Qiagen	217084	
DNA Free Dnase Kit (DNase treatment for RT PCR)	Ambion, Life Technologies	AM1906	
Superscript III First Strand Synthesis (reverse transcriptase for cDNA synthesis)	Invitrogen	18080051	
SYBR Green (taq polymerase mix with green interchalating dye for qPCR)	Bio-Rad	1725270	
CD117 MicroBead Kit	Miltenyi	130-091-224	
Human Long-Term Culture Initiating Cell Assay	Stemp Cell Technologies		
Instruments			
NAPCO series 8000 WJ CO ₂ incubator	Thermo scientific		
Swing bucket rotor cetrifuge 5810R	Eppendorf		
TC-10 automated cell counter	Bio-RAD		
C-1000 Thermal cycler	Bio-RAD		
Mastercycler Real Plex 2	Eppendorf		
ChemiDoc Imaging System (imaging system for gels and western blots)	Bio-RAD	17001401	
Hemavet (boold counter)	Drew-Scientific		
LSR II (FACS analyzer)	BD		
Fortessa I (FACS analyzer)	BD		
FACSArialI (FACS Sorter)	BD		
Magnet Stand	Miltenyi		
Irradiator	J.L. Shepherd and Associates, San Fernando CA	Mark I Model 68A	source Cs 137
Mice			
ROSACreERT2	Jackson Laboratory		
Scl-tTA	Dr. Claudia Huettner's lab		

BoyJ	mouse core facility at CCHMC		
C57Bl/6	Jackson Laboratory		
NSGS	mouse core facility at CCHMC		
ROSACreERT2/c-Fos ^{fl/fl} Dusp1 ^{-/-}	Made in house		
ROSACreERT2/c-Fosfl/fl	Made in house		
Cells			
BaF3	Gift from George Daley, Harvard Medical School, Boston		
WEHI	Gift from George Daley, Harvard Medical School, Boston		
CML-CD34+ and Normal CD34+ cells	University Hospital, University of Cincinnati		