

A Versatile Pipeline for Analyzing Dynamic Changes in Nuclear Bodies in a Variety of Cell Types

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Materials

Name	Company	Catalog Number	Comments
1.5 mL Safe-Lock Tubes	Eppendorf	#0030121503	Protocol section 1
10 mL Serological pipettes	VWR	#612-3700	Protocol section 1
20 µL barrier pipette tip	Thermo Scientific	#2149P-HR	Protocol section 1
50 mL Polypropylene Conical Tube	Falcon	#352070	Protocol section 1
200 µL barrier pipette tip	Thermo Scientific	#2069-HR	Protocol section 1
antifade solution - ProlongGlass - mountingmedia	Invitrogen	#P36984	Step 1.3.12
BSA (Bovine Serum Albumin)	Sigma	#A7030	Step 1.3.6., 1.3.8.
CD4 ⁺ T Cell Isolation Kit	Miltenyi Biotec	#130-096-533	Step 1.1.2.
DAPI (4,6-diamidino-2-phenylindole)	Invitrogen	Cat#D1306	Step 1.3.10.
Dry ice			Step 1.3.1.
Dynabeads Human T-activator anti-CD3/anti-CD28 bead	Life Technologies	#1131D	magnetic beads step 1.1.4.
EtOH	Carlo Erba	#4146320	Step 1.2.1.1.
FACSaria SORP	BD Biosciences		Step 1.1.3. Equipped with BD FACSDiva Software version 8.0.3
FBS (Fetal Bovine Serum)	Life Technologies	#10270106	Step 1.1.4
FICOLL PAQUE PLUS	Euroclone	GEH17144003F32	Step 1.1.1.
FIJI Version 2.14.0	-	-	Protocol section 3
Glass coverslip (10 mm, thickness 1.5 H)	Electron Microscopy Sciences	#72298-13	Step 1.2.1.
Glycerol	Sigma	#G5516	Step 1.2.7-1.3.1.
Goat anti-Rabbit AF568 secondary antibody	Invitrogen	A11036	Step 1.3.8.
HCl	Sigma	#320331	Step 1.3.4.
human neutralizing anti-IL-4	Miltenyi Biotec	Cat#130-095-753	Step 1.1.4.
human recombinant IL-12	Miltenyi Biotec	Cat#130-096-704	Step 1.1.4.
human recombinant IL-2	Miltenyi Biotec	Cat#130-097-744	Step 1.1.4.

Leica TCS SP5 Confocal microscope	Leica Microsystems	-	Protocol section 2, Equipped with HCX PL APO 63x, 1.40 NA oil immersion objective, with an additional 3x zoom. Pinhole size : 0.8 AU. Line average 2x. Frame size 1024x1024 pixel.
MEM Non-Essential Amino Acids Solution	Life Technologies	#11140035	Step 1.1.4.
Microscope Slides	VWR	#631-1552	Step 1.3.12.
Mouse monoclonal anti-Human CD4 APC-Cy7 (RPA-T4 clone)	BD Bioscience	#557871	Step 1.1.3.
Mouse monoclonal anti-Human CD45RA PECy5 (5H9 clone)	BD Bioscience	#552888	Step 1.1.3.
Mouse monoclonal anti-Human CD45RO APC (UCHL1 clone)	Miltenyi Biotec	#130-113-546	Step 1.1.3.
Multiwell 24 well	Falcon	#353047	Protocol section 1
Normal Goat Serum	Invitrogen	PCN5000	Step 1.3.6., 1.3.8.
PBS	Life Technologies	#14190094	Protocol section 1
Penicillin/Streptomycin solution	Life Technologies	#15070063	Step 1.1.4.
PFA	Sigma	#P6148	Step 1.2.4.
poly-L-lysine	Sigma	#P8920	1.2.1.
Primary antibody - BRD4	Abcam	#ab128874	Step 1.3.6.
Primary antibody - SUZ12	Cel Signalling	mAb #3737	Step 1.3.6.
RPMI 1640 W/GLUTAMAX-I	Life Technologies	#61870010	Step 1.1.4.
Sodium Pyruvate	Life Technologies	#11360039	Step 1.1.4.
Triton X-100	Sigma	#T8787	Step 1.2., 1.3.
TWEEN 20	Sigma	#P9416	Step 1.3.
Tweezers	-	-	Protocol section 1