

Materials List for:

Techniques to Induce and Quantify Cellular Senescence

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Materials

Name	Company	Catalog Number	Comments
16% Tris-glycine gels	Invitrogen	XP00160BOX	
Acid-Phenol ChCl ₃	Ambion	AM9720	
Alexa-Fluor 568 goat anti-mouse antibody	Invitrogen	A11031	1:300 dilution
Cell lifters	Corning Inc.	3008	Cell scraper
ECL anti-mouse HRP linked antibody	Amersham	NA931V	
ECL Plus Western Blotting Substrate	Pierce	32132	ECL
DAPI	Molecular Probes	MP01306	stock 5 mg/mL in dH ₂ O
GAPDH antibody	Santa Cruz	sc-32233	1:1,000 - 5,000 dilution
GlycoBlue	Ambion	AM9515	
Histone H3 dimethyl K9 monoclonal antibody	Abcam	1220	1:500 dilution
Human IL-6 Quantikine ELISA assay	R&D systems	D6050	
Human IL-8 Quantikine ELISA assay	R&D systems	D8000C	
Human GROα Quantikine ELISA assay	R&D systems	DRG00	
N-N-dimethylformamide	Sigma	D4551	DMF
p16 monoclonal antibody	BD Biosciences	51-1325gr	1:500 dilution
p21 monoclonal antibody	Millipore	05-345	1:750 dilution
p53 monoclonal antibody	Santa Cruz	sc-126	1:500 dilution clone DO-1
phospho-H2AX (Ser139) FITC conjugate antibody	Cell Signaling	9719	1:2,000 dilution
POWER SYBR-green PCR master mix	Applied Biosystems	4367659	
Pre-stained molecular weight markers	Biorad	161-0374	
ProLong Gold Antifade	Invitrogen	P36930	
PVDF membrane	Thermo Scientific	88518	
Senescence β-Galactosidase Staining Kit	Cell Signaling	9860	
TRIzol	Ambion/Life Tech	10296028	