Materials List for:

Induction of Adhesion-dependent Signals Using Low-intensity Ultrasound

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URL: http://www.jove.com/video/4024/

Materials

Name	Company	Catalog Number	Comments
sulpho-m-maleimidobenzoyl-N-hydrosuccinimide ester	Fisher Scientific	PN22312	25 mM stocks dissolved in water can be stored at -20°C
6-well tissue culture plate	Corning	3516	Plastic from other companies can coat poorly
13-mm glass coverslip	Scientific Laboratory Supplies LTD	MIC3336	Glass from other companies can coat poorly
PBS	Sigma-Aldrich	D8537	
PBS, Ca^{2+} Mg^{2+}	Sigma-Aldrich	D8662	
50K integrin ligand (fibronectin fragment)			Construct description and preparation in [9], [11]. Alternative matrix ligands could be used to interrogate other pathways
BSA	Sigma-Aldrich	A3059	
Cycloheximide	Sigma-Aldrich	C7698	Can be stored as 10mg/ml stock in water
DMEM/25 mM HEPES	Sigma-Aldrich	D6171	
Exogen 4000+	Smith & Nephew Inc.		
Ultrasound coupling gel	Smith & Nephew Inc.		
SAFHS indicator	Smith & Nephew Inc.		
hVIN-1	Sigma-Aldrich	V9264	
DyLight 488-conjugated anti-mouse	Stratagene, Agilent Technologies	715-485-150	
TRITC-labelled phalloidin	Sigma-Aldrich	P1951	
Prolong Gold antifade reagent	Invitrogen	P36930	
cOmplete protease inhibitor (EDTA free)	Roche Group	056 489 001	100× stock made up from tablet stored at -20°C
PAK-glutathione agarose beads			Construct description and preparation in [10]
Glycerol	Fisher Scientific	G/0650/17	
Hepes	Apollo Scientific	BI8181	Make 1M stock and pH to 7.4
NaCl	Fisher Scientific	S/0160/65	
NP40	Sigma-Aldrich	I3021	
Sodium Deoxycholate	Sigma-Aldrich	D6750	
EGTA	Sigma-Aldrich	E4378	
EDTA	Sigma-Aldrich	E5134	

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