

Materials List for:

2D and 3D Matrices to Study Linear Invadosome Formation and Activity

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Materials

Name	Company	Catalog Number	Comments
Gelatin solution	Sigma	G1393	Stock 20 mg/ml used at 1 mg/ml
Gelatin from pig skin Oregon green 488 conjugate	Molecular probe life technologies	G13186	5mg dilute at 1 mg/ml in sterile water
Microscope cover glasses	Marlenfeld GmbH & Co	111520	Ø12mm No.1
2.5% Glutaraldehyd in 0.1M sodium cacodylate buffer pH 7.4	Electron microscopy science	15960	Dilute at 0.5 % in sterile water
1x PBS pH 7.4	Gibco by life technologies	10010-015	Use this PBS in all steps before fixation
Collagen I Rat tail	Corning	354236	
5 carboxy X rhodamin siccimimidyl ester	Life technologies	C-6125	
DPBS 1x + calcium + magnesium	Gibco by life technologies	14040-091	
Paraformaldehyde 16% solution	Electron microscopy science	15710	Dilute at 4% in 1X PBS
Triton X 100	Sigma	T9284	
10x PBS buffer pH 7.4	Ambion	AM9625	Dilute at 1X in water Use in steps after fixation
Tks5 antibody	Santa Cruz	sc-30122	Invadosome markers Dilution : 1/100
Cortactin 4F11 antibody	Millipore	5180	Invadosome markers Dilution :1/100
DDR1 antibody	Cell signaling	5583	Linear invadosome receptor
Dilution :1/100			
Phalloidin FluoProbes	Interchim	FT-AZ0330	Fibrillary actin marker Dilution :1/200
Hoechst	Sigma	33258	Nucleus marker Dilution :1/200
Secondary antibodies FluoProbes	Interchim	FP-488 FP-547H or FP-647H	
Albumin from bovine serum	Sigma	A2153	Dilute at 4% in 1X PBS
Fluoromount G mounting medium	Interchim	FP 483331	
ImageJ software	Public domain		http://www.macbiophotonics.ca/imagej/
Cell culture insert	Corning	353097	8.0µm pore size / 24 wells
Sodium hydroxide (NaOH)	Sigma	221465	