

Materials List for:

Establishing Cell Lines Overexpressing DR3 to Assess the Apoptotic Response to Anti-mitotic Therapeutics

Xin Wang¹, Jiamin Zhou², Chen Qi¹, Gelin Wang¹

¹School of Pharmaceutical Sciences, Tsinghua University

²Department of Radiology, University of California, San Francisco

Correspondence to: Gelin Wang at gelinwang@tsinghua.edu.cn

URL: <https://www.jove.com/video/58705>

DOI: [doi:10.3791/58705](https://doi.org/10.3791/58705)

Materials

Name	Company	Catalog Number	Comments
DMEM	Invitrogen	C11965500BT	Supplemented with 10% FBS and 1% Penicilin/Streptomycin
Luminescent Cell Viability Assay	Promega	G7571	
Paclitaxel	Selleck	S1150	
pMXs-IRES-Blasticidin	Cell Biolabs	RTV-016	
Dimethyl sulfoxide	Sigma	D2650	
PBS	Invitrogen	C14190500BT	
Trypsin-EDTA (0.25%)	Invitrogen	25200056	
1,5-Dimethyl-1,5-diazaundecamethylene polymethobromide	Santa Cruz	sc-134220	
Transfection Reagent	Promega	E2311	
Anti-mouse secondary antibody	Jackson ImmunoResearch	115-035-166	
anti-Flag antibody	Sigma	F-3165	
HT29 cell line	ATCC	HTB-38	
plat-A cell line	Cell Biolabs	RV-102	
PVDF Immobilon-P	Millipore	IPVH00010	
Cloning Cylinder	Sigma	C1059	
Cell Imaging Multi-Mode Reader	Biotek	BTCYT3MV	
CKX53 Inverted Microscope	Olympus	CKX53	
12-well cell culture plates	Nest	712001	
60 mm cell culture plates	Nest	705001	
15 mL centrifuge tubes	Nest	601052	
0.22 µm steril filter	Millipore	SLGP033RB	
Centrifuge 5810 R	Eppendorf	5810000327	
96 Well White Polystyrene Microplate	Corning	3903	
Western ECL Substrate	BIO-RAD	1705060	
ImageQuant LAS 4000	GE Healthcare	ImageQuant LAS 4000	
Decoloring Shaker	HINOTECH	TS-2000A	
Blasticidin	InvivoGen	ant-bl-1	
Automated cell counter	BIO-RAD	TC 20	
Opti-MEM I Reduced Serum Medium	Thermo Fisher	31985070	