

Materials List for:

Native Polyacrylamide Gel Electrophoresis Immunoblot Analysis of Endogenous IRF5 Dimerization

Meijun Wang¹, King Hoo Lim¹, Kwan Ting Chow¹

¹Department of Biomedical Sciences, City University of Hong Kong

Correspondence to: Kwan Ting Chow at kwan.chow@cityu.edu.hk

URL: <https://www.jove.com/video/60393>

DOI: [doi:10.3791/60393](https://doi.org/10.3791/60393)

Materials

Name	Company	Catalog Number	Comments
2-Mercaptoethanol	Life Technologies, HK	21985023	
300 W/250 V power supply 230 V AC	Life Technologies, HK	PS0301	
Anti-IRF5 antibody	Bethyl Laboratories, USA	A303-385	
BIOSAN Rocker Shaker (cold room safe)	EcoLife, HK	MR-12	
EDTA Buffer, pH 8, 0.5 M 4x 100 mL	Life Technologies	15575020	
Glycerol 500 mL	Life Technologies	15514011	
Glycine	Life Technologies, HK	15527013	
Goat anti-Mouse IgG DyLight 800 Conjugated Antibody	LAB-A-PORTER/Rockland, HK	610-145-002-0.5	
Goat anti-Rabbit IgG DyLight 800 Conjugated Antibody	LAB-A-PORTER/Rockland, HK	611-145-002-0.5	
Halt protease inhibitor cocktail (100x)	Thermo Fisher Scientific, HK	78430	
HEPES	Life Technologies, HK	15630080	
LI-COR Odyssey Blocking Buffer (TBS)	Gene Company, HK	927-50000	
Mini Tank blot module combo; Transfer module, accessories	Life Technologies, HK	NW2000	
NativePAGE 3-12% gels, 10 well kit	Life Technologies, HK	BN1001BOX	
NativePAGE Running Buffer 20x	Life Technologies, HK	BN2001	
NativePAGE Sample Buffer 4x	Life Technologies, HK	BN2003	
NP-40 Alternative, Nonylphenyl Polyethylene Glycol	Tin Hang/Calbiochem, HK	#492016-100ML	
PBS 7.4	Life Technologies, HK	10010023	
Polyvinylidene difluoride (PVDF) membrane	Bio-gene/Merck Millipore, HK	IPFL00010	
Protein assay kit II (BSA)	Bio-Rad, HK	5000002	
R848	Invivogen, HK	tlrl-r848	
RPMI 1640	Life Technologies, HK	61870127	
Sodium Chloride	ThermoFisher	BP358-1	
Sodium deoxycholate ≥97% (titration)	Tin Hang/Sigma, HK	D6750-100G	
Tris	Life Technologies, HK	15504020	
TWEEN 20	Tin Hang/Sigma, HK	#P9416-100ML	