

Materials List for:

A High Resolution Method to Monitor Phosphorylation-dependent Activation of IRF3

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URL: <https://www.jove.com/video/53723>

DOI: [doi:10.3791/53723](https://doi.org/10.3791/53723)

Materials

Name	Company	Catalog Number	Comments
F12/Ham	Life Technologies	11765-054	Warm in a 37 °C bath before use.
Fetal bovine serum	Life Technologies	12483-020	
L-glutamine	Life Technologies	25030-081	
D-PBS	Life Technologies	14190-144	For cell culture.
Trypsin/EDTA 0.25%	Life Technologies	25200-072	
Sendai virus Cantell Strain	Charles River Laboratories	600503	
Hepes	Bioshop	HEP001	
Sodium chloride (NaCl)	Bioshop	SOD001.5	
EDTA	Bioshop	EDT001	
Glycerol	Bioshop	GLY001.1	Cut the extremity of the tip and pipet slowly as it is very thick.
IGEPAL CA-630	Sigma-Aldrich	I7771	Registered trademark corresponding to Octylphenoxy poly(ethyleneoxy)ethanol (Nonidet P-40) detergent
Leupeptin	Bioshop	LEU001	
Aprotinin	Bioshop	APR600.25	
Sodium fluoride	Sigma-Aldrich	201154	
Sodium orthovanadate	MP Biomedicals	159664	Activation of sodium orthovanadate 0.2 M : 1) Adjust the pH to 10.0 using either 1 N NaOH or 1 N HCl. The starting pH of the sodium orthovanadate solution may vary with lots of chemical. 2) The solution is yellow at pH 10.0. 3) Boil until colorless. 4) Cool to RT. 5) Readjust the pH to 10.0 and repeat steps 3-4 until the solution remains colorless and stabilizes at 10.0. Store the activated sodium orthovanadate aliquots at -20 °C.
p-nitrophenyl phosphate disodium salt hexahydrate	Sigma-Aldrich	P1585	
Beta-Glycerophosphate	Sigma-Aldrich	G6376	
Bio-Rad Protein Assay Reagent	Bio-Rad	500-0006	Cytotoxic
Acrylamide/Bis-Acrylamide (37.5 : 1) 40%	Bioshop	ACR005	Cytotoxic

Tris-Base	Bioshop	DEO701	
Hydrochloric acid (HCl)	LabChem	LC15320-4	Work under fume hood. Toxic and irritant.
Sodium dodecyl sulfate (SDS)	Bioshop	SDS001.1	Irritant.
Amonium persulfate	Sigma-Aldrich	A3678	
TEMED	Invitrogen	15524-010	Toxic and irritant.
Bromophenol blue	Fisher Scientific	B392-5	
Beta-mercaptoethanol	Sigma-Aldrich	M6250	Work under fume hood. Toxic to the nervous system, mucous membranes. May be toxic to upper respiratory tract, eyes, central nervous system.
Glycine	Bioshop	GLN001.5	
Sodium deoxycholate	Sigma-Aldrich	D6750	
Sodium hydroxide (NaOH)	Bioshop	SHY700	Irritant.
Nitrocellulose membrane (0.45 mm)	Bio-Rad	162-0115	
Acetic acid glacial	Bioshop	ACE222.4	Work under fume hood. Toxic, irritant and flammable.
Red ponceau	Sigma-Aldrich	P3504	
Potassium chloride (KCl)	Sigma-Aldrich	P3911	For PBS composition for immunoblot.
Na ₂ HPO ₄	Bioshop	SPD307.5	For PBS composition for immunoblot.
KH ₂ PO ₄	Sigma-Aldrich	P0662	For PBS composition for immunoblot.
Bovine serum albumin	Sigma-Aldrich	A7906	For PBS-T-BSA composition for immunoblot.
Non-fat dry milk	Carnation		
Poly sorbate 20 (Tween)	MP Biomedicals	103168	Cut the extremity of the tip and pipet slowly as it is very thick.
Anti-IRF-3-P-Ser386	IBL-America	18783	Store aliquoted at -20 °C. Avoid freeze/thaw.
Anti-IRF-3-P-Ser396	Home made ¹⁹		Store aliquoted at -80 °C. Avoid freeze/thaw.
Phospho-IRF-3 (Ser396) (4D4G)	Cell Signaling Technology	4947s	Store at -20 °C.
Anti-IRF-3-P-Ser398	Home made ¹⁵		Store aliquoted at -80 °C. Avoid freeze/thaw.
Anti-IRF-3-full length	Actif motif	39033	Store aliquoted at -80 °C. Avoid freeze/thaw.
Anti-IRF3-NES	IBL-America	18781	Store aliquoted at -20 °C.
Western Lightning Chemiluminescence Reagent Plus	Perkin-Elmer Life Sciences	NEL104001EA	
LAS4000mini CCD camera apparatus	GE healthcare		
SDS-PAGE Molecular Weight Standards, Broad Range	Bio-Rad	161-0317	Store aliquoted at -20 °C.