

Materials List for:

Co-immunoprecipitation Assay for Studying Functional Interactions Between Receptors and Enzymes

Michael Peled¹, Marianne Strazza², Adam Mor²

¹Pulmonary Department, The Chaim Sheba Medical Center

²Columbia Center for Translational Immunology, Department of Medicine, Columbia University Medical Center

Correspondence to: Adam Mor at am5121@cumc.columbia.edu

URL: <https://www.jove.com/video/58433>

DOI: [doi:10.3791/58433](https://doi.org/10.3791/58433)

Materials

Name	Company	Catalog Number	Comments
PBS	Lonza	17-516F	Phosphate Buffered Saline
Microcentrifuge	Eppendorf	5424-R	1.5 mL
Trypsin-EDTA (0.25%) Phenol Red	Gibco	25200114	
Heat Inactivated FBS	Denville	FB5001-H	Fetal bovine serum
Penicillin / Streptomycin	Fisher	BP295950	
DMEM high glucose without L-glutamine	Lonza	BE12-614F	
SuperFect Transfection Reagent	Qiagen	301305	
Anti-SHP2	Santa Cruz	SC-280	
Anti-GFP-agarose	MBL	D153-8	
Anti-GFP	Roche	118144600	
Anti-Actin	Santa Cruz	SC-1616	
HEK-293 cells	ATCC	CRL-1573	
Orthovanadate	Sigma	S6508	
H ₂ O ₂	Sigma	216763	30%
Protease inhibitor cocktail	Roche	11836170001	EDTA-free
Tris-Glycine SDS Sample Buffer (2x)	Invitrogen	LC2676	Modified Laemmli buffer
4-20% Tris-Glycine Mini Gels	Invitrogen	XP04205BOX	15-well
Nitrocellulose membranes	General Electric	10600004	
NaCl	Sigma	S7653	Sodium chloride
HEPES	Gibco	15630080	N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid
DTT	Invitrogen	D1532	Dithiothreitol
pNPP	Sigma	20-106	p-Nitrophenyl Phosphate
NaOH	Sigma	S8045	Sodium hydroxide
BCA	Fisher	23225	Bi Cinchoninic Acid assay