

Materials List for:

Capturing the Interaction Kinetics of an Ion Channel Protein with Small Molecules by the Bio-layer Interferometry Assay

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Materials

Name	Company	Catalog Number	Comments
DMEM/High Glucose Medium	HyClone	SH30243.01	
Phosphate Buffered Saline (1x)	HyClone	SH30256.01	
Fetal Bovine Serum	Gibco	10270	
Penicillin/Streptomycin	Gibco	1697550	
Cell Culture Dish	Corning	430599	150 mm X 25 mm
Nonidet P-40 Substitute	Amresco	E109	
Sodium chloride	BBI Life Sciences	A610476	
Potassium chloride	BBI Life Sciences	A610440	
Bovine Serum Albumin	BBI Life Sciences	A600332	
Polyoxyethylene-20-Sorbitan Monolaurate	BBI Life Sciences	A600560	
ANTI-FLAG M2 Affinity Gel	Sigma	A2220	
3x FLAG peptide	Sigma	F4799	
Octet-RED96	Pall/FortéBio	30-5048	
Data Acquisition software	Pall/FortéBio	Version 7.1	
Data Analysis software	Pall/FortéBio	Version 7.1	
Biosensor/Streptavidin	Pall/FortéBio	18-5019	
Microtiter plate	Greiner Bio-one	655209	
Sulfo-NHS-LC-LC-Biotin	ThermoFisher	21338	
Centrifugal Machine	ThermoFisher	75004250	
PageRuler Prestained Protein Ladder	ThermoScientific	318120	
Ultrafiltration device	MILLIPORE	UFC503008	NMWL of 30 kDa
phosphatidylinositol 4, 5-bisphosphate (PIP ₂)	Sigma	P9763	
Monoclonal ANTI-FLAG M2 antibody	Sigma	F1804	1:2000 dilution
goat anti-mouse HRP-conjugated secondary antibody	Santa Cruz Biotechnology	sc-2005	1:5000 dilution
Enhanced BCA Protein Assay Kit	Beyotime	P0010	
Protease Inhibitor Cocktail Tablets	Roche	04693159001	
Amersham Imager 600 Imaging System	GE Healthcare Bio-Sciences		
Western blot system	BIO-RAD		