

Materials List for:

Visualizing Clathrin-mediated Endocytosis of G Protein-coupled Receptors at Single-event Resolution via TIRF Microscopy

Amanda L. Soohoo¹, Shanna L. Bowersox¹, Manojkumar A. Puthenveedu¹

¹Department of Biological Sciences, Carnegie Mellon University

Correspondence to: Manojkumar A. Puthenveedu at map3@andrew.cmu.edu

URL: <https://www.jove.com/video/51805>

DOI: [doi:10.3791/51805](https://doi.org/10.3791/51805)

Materials

Name	Company	Catalog Number	Comments
DMEM/High Glucose with L-glutamine and sodium pyruvate	Fisher Scientific	SH3024301	
Dulbecco's Phosphate Buffered Saline (DPBS), no calcium, no magnesium	Gibco, by Life Technologies	21600-010	
EDTA Free Acid	Amresco	0322-500G	
Fetal Bovine Serum	Gibco, by Life Technologies	10437-028	
Leibovitz's L-15 Medium, no phenol red	Gibco, by Life Technologies	21083-027	
Opti-MEM	Gibco, by Life Technologies		
HEPES	CellPURE by Fisher Scientific	BP2937-100	
Effectene	Qiagen	301425	Transfection reagent
25 mm coverglass	Fisher Scientific	12-545-86	
Corning cell culture treated flasks, 25 cm ²	Fisher Scientific	10-126-28	
Cell culture 6-well plate	Greiner Bio-One, by VWR	82050-896	
Monoclonal ANTI-FLAG M1	Sigma Aldrich	F3040-5MG	
[D-Ala ² , N-Me-Phe ⁴ , Gly ⁵ -ol]-Enkephalin acetate salt (DAMGO)	Sigma Aldrich	E7384-5MG	
Alexa Fluor 647 Protein Labeling Kit	Life Technologies	A20173	
ImageJ	NIH		http://rsb.info.nih.gov/ij/
Imaris Image analysis software	BitPLane		http://www.bitplane.com/imaris/imaris , for automated analysis
Nikon Eclipse Ti inverted microscope and required accessories including filter cubes and filters	Nikon		
Nikon TIRF arm with required adapters for Nikon Eclipse Ti	Nikon		For adjusting angle of incidence
iXon+ EMCCD camera and adapters	Andor		