

Materials List for:

## **Luminescence Resonance Energy Transfer to Study Conformational Changes** in Membrane Proteins Expressed in Mammalian Cells

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## **Materials**

Name	Company	Catalog Number	Comments
LanthaScreen Thiol Reactive Tb Chelate	Life Technologies	PV3579	
Acceptor fluorophore- Fluorescein-5-Maleimide	Life Technologies	F-150	Choice of acceptor depends on the specific experiment
Acceptor fluorophore-Alexa Fluor 488 C5 Maleimide	Life Technologies	A-10254	Choice of acceptor depends on the specific experiment
Acceptor fluorophore-Alexa Fluor 555 C2 Maleimide	Life Technologies	A-20346	Choice of acceptor depends on the specific experiment
Acceptor fluorophore-Alexa Fluor 594 C5 Maleimide	Life Technologies	A-10256	Choice of acceptor depends on the specific experiment
Acceptor fluorophore-Alexa Fluor 680 C2 Maleimide	Life Technologies	A-20344	Choice of acceptor depends on the specific experiment
QuantaMaster 3-SS	Photon Technology International		Spectrofluorometer should have pulsed excitation with the ability to measure lifetimes in the millisecond range
FluoreScan 2.0	Photon Technology International		Data Acquisition Software used in manuscript. Software provided with fluorescence instrument
Origin 8.6	OriginLab		Origin is the data analysis software used in protocol. Can use other similar data analysis software
Quartz cuvette	Starna Cells, Inc	3-Q-10	
Stir bar	Bel-Art Products	F37119-0007	Used in cuvette to keep cells in suspension. Can use any stir bar that fits the cuvette