

Materials List for:

# A Kinetic Fluorescence-based Ca<sup>2+</sup> Mobilization Assay to Identify G Protein-coupled Receptor Agonists, Antagonists, and Allosteric Modulators

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## Materials

Name	Company	Catalog Number	Comments
Fluo-2 AM	Abcam	ab142775	fluorescent Ca <sup>2+</sup> sensitive dye
Pluronic F-127	Sigma	P2443-250G	pluronic acid
Gelatin	Sigma	G9391	
AMD3100	Sigma	A5602-5 mg	specific CXCR4 antagonist
Maraviroc	kind gift of AnorMed		antiretroviral drug, CCR5 antagonist
Chemokine ligand CXCL12	PeprTech	300-28A	
Chemokine ligand CCL5	PeprTech	300-06	
Fetal Bovine Serum (FBS)	Gibco (Life Technologies)	10270-106	
Bovine Serum Albumin (BSA)	Sigma	A1933-25G	
Dulbecco's Modified Eagle's Medium (DMEM)	Gibco (Life Technologies)	41965-039	
HBSS (10 x), calcium, magnesium, no phenol red	Gibco (Life Technologies)	14065-049	
HEPES (1 M)	Gibco (Life Technologies)	15630-056	
Trypsin-EDTA (0,25 %), phenol red	Gibco (Life Technologies)	25200-056	
Dulbecco's Phosphate Buffered Saline (DPBS)	Gibco (Life Technologies)	14190-094	
Falcon tubes, 50 mL	Greiner Bio-One	227 261	
Tissue culture flask (T75)	Corning	353024	
Black plate, 96-well, clear bottom, with lid	Costar/Fisher Scientific	10530753	assay plate (96-well), for cell seeding
Polypropylene (PP) plates	Thermo Scientific (VWR)	732-2661	plates used to prepare the compound plates and chemokine plates, round bottom
FLIPR Tetra high throughput cellular screening system	Molecular Devices		Fluorescent plate reader with integrated pipettor head and ICCD camera
FLIPR Tetra LED Module 470 - 495 nm	Molecular Devices	0200-6128	Light emitting diodes for excitation of the fluorescent Ca <sup>2+</sup> sensitive dye
FLIPR Tetra Emission Filter 515 - 575 nm	Molecular Devices	0200-6203	emission filter compatible with the fluorescent dye
FLIPR Tetra 96 Head	Molecular Devices	0310-4536	96-well pipettor head, integrated within the fluorescent plate reader
ScreenWorks	Molecular Devices		software package used for data analysis and visualization on the FLIPR Tetra
Vi-CELL	Beckman Coulter		cell viability analyzer

Corning CellBIND 96 Well Flat Clear Bottom Black Polystyrene Microplates, with Lid, Sterile	Corning	3340	Pre-coated 96-well assay plates that may represent an alternative for manual coating of the assay plate.
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