

Materials List for:

# A Flow Cytometry-based Assay to Identify Compounds That Disrupt Binding of Fluorescently-labeled CXC Chemokine Ligand 12 to CXC Chemokine Receptor 4

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## Materials

| Name                                                | Company                                        | Catalog Number | Comments                                                                                                    |
|-----------------------------------------------------|------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|
| BD FACSCanto II                                     | Becton Dickinson                               | Not applicable | Flow cytometry device                                                                                       |
| BD FACSDIVA Software                                |                                                |                |                                                                                                             |
| BD FACSArray                                        | Becton Dickinson                               | Not applicable | Flow cytometry device                                                                                       |
| BD FACSArray System Software                        |                                                |                |                                                                                                             |
| Graphpad Prism                                      | Graphpad                                       |                | software package used for nonlinear regression analysis in Figure 2 and Figure 3                            |
| FlowJo                                              | FlowJo is now a wholly owned subsidiary of BD. |                |                                                                                                             |
| Vi-CELL                                             | Beckman Coulter                                | Not applicable | cell viability analyzer                                                                                     |
| Sigma 3-18 KS                                       | Sigma                                          | Not applicable | centrifuge                                                                                                  |
| AMD3100                                             | Sigma                                          | A5602-5mg      | specific CXCR4 antagonist                                                                                   |
| Maraviroc                                           | Pfizer                                         |                | antiretroviral drug, CCR5 antagonist, available for research at Selleckchem (cat#S2003), Sigma (cat#PZ0002) |
| h-SDF1a (AF647)                                     | ALMAC                                          | CAF-11-B-01    | fluorescently labeled CXCL12, CXCL12AF647                                                                   |
| Fetal Bovine Serum (FBS)                            | Gibco (Life Technologies)                      | 10270-106      |                                                                                                             |
| Bovine Serum Albumin (BSA)                          | Sigma                                          | A1933-25G      |                                                                                                             |
| HBSS (10x), calcium, magnesium, no phenol red       | Gibco (Life Technologies)                      | 14065-049      |                                                                                                             |
| HEPES (1M)                                          | Gibco (Life Technologies)                      | 15630-056      |                                                                                                             |
| Dulbecco's Phosphate Buffered Saline (DPBS)         | Gibco (Life Technologies)                      | 14190-094      |                                                                                                             |
| Jurkat cells                                        | ATCC                                           |                |                                                                                                             |
| Reagent reservoir PP                                | Sigma                                          | BR703411       |                                                                                                             |
| Rapid flow filter: 0.2 µm aPES                      | Thermo Scientific                              | 566-0020       |                                                                                                             |
| Sterilin microtiter plate, 96-well, U bottom, clear | Thermo Scientific                              | 611U96         |                                                                                                             |
| Falcon tubes, 50ml                                  | Greiner Bio-One                                | 227 261        |                                                                                                             |
| Tissue culture flask (T75)                          | Corning                                        | 353024         |                                                                                                             |