CC Chemokine Receptor 5 (CCR5) and the HIV Research

The CC chemokine receptor 5 (CCR5), expressed in T-cell and macrophage, is a Gi-coupled GPCR. This protein has been shown to act as a major co-receptor for macrophage-tropic viruses (including HIV-1, HIV-2, and SIV) in their invasion of new target cells.

It has been a very promising strategy for both therapeutics and prevention of HIV to screen for the antibodies or small molecules that could effectively block the CCR5 receptor.

Among our ACTOne stable cell lines, the CCR5 stable cell line can be utilized in HTS selection for the agonists or antagonists, and the CXCR4 stable cell line can be utilized HTS screening for the functional ligands.

Learn More

ACTOne CCR5 Stable Cell Line
ACTOne CXCR4 Stable Cell Line

Assay Kits for HTS
Can be used with ACTOne cAMP or calcium assay systems

Membrane Potential Dye Kit (Fluorescence)
Calcium Dye Non-Wash Assay (Fluorescence)
Ratiometric Calcium Dye Non-Wash Assay (Fluorescence)

HIV-1 Antigens/Antibodies
What We Offer

Rabbit Polyclonal Antibodies
Mouse Monoclonal Antibodies
Full-length Recombinant Proteins

Products for Other Infectious Diseases
Influenza, Zika, Ebola, Hepatitis...

Frontline Infectious Disease Products (Zika, Ebola, etc.)
Influenza Virus Research Tools (cDNA, Full-length Proteins, Antibodies, Kits)

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