



Human Chemokine Sampler Pack

Catalog #: SMPK4

Component	Catalog #
Human MIP-1 α	509-MI
Human MIP-1 β	271-BME
Human RANTES	278-RN
Human SDF-1 α	350-NS
Human CXCL16	976-CX

Human Chemokine Sampler Pack for HIV Research

Chemokines constitute a large group of low molecular weight (8 - 20 kDa) secreted molecules that were initially recognized to control leukocyte communication and migration. Additionally, chemokines have very diverse roles in hematopoiesis, angiogenesis, oncogenesis, and viral pathogenesis. The identification of specific and promiscuous chemokine receptors on a variety of cell types has further assisted our understanding of this complex network of molecules.

The chemokine receptors CCR5, CXCR4, and CXCR6 are identified as co-receptors for HIV entry into host cells. The five chemokines MIP-1 α , MIP-1 β , RANTES, SDF-1 α , and CXCL16 all exhibit an inhibitory effect for HIV infection by blocking viral entry via chemokine receptors on T cells and/or macrophages. The combined use of multiple chemokines in future studies may lead to a better understanding of these chemokine ligand-receptor interactions and may aid in the development of better chemokine-specific diagnostic and therapeutic tools.