Reagent: Anti-Human CX3CR1 Polyclonal (NT)

Catalog Number: 11235

Lot Number: 2093-9902

Provided: 50 µg per vial of purified IgG in PBS containing 0.02% sodium azide.

Host: Rabbit anti-CX3CR1 polyclonal antibody was raised against a peptide corresponding to amino acids 2 to 21 of human CX3CR1 (1,2). The sequence differs from those of mouse and rat CX3CR1 by four amino acids (3,4).

Description: CX3CR1 is one of the chemokine receptors that are required as coreceptors for HIV infection. The genes encoding human, murine, and rat CX3CR1 were cloned and designated V28 and CMKBRL1, CX3CR1, and RBS11, respectively, (1-4). The encoded seven transmembrane protein was recently identified as the receptor for a novel transmembrane molecule, fractalkine, and renamed CX3CR1 (5). Recently, CX3CR1 was found to serve as a coreceptor for HIV-1 and HIV-2 envelope fusion and virus infection, which can be inhibited by fractokine (6). CX3CR1 mediates leukocyte migration and adhesion (5). CX3CR1 is expressed in a variety of human tissues and cell lines (2).

Recommended Storage: Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: ProSci, Incorporated

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS from ProSci Inc.: Anti-Human CX3CR1 Polyclonal (NT)." Also include the references cited above in any publications.