

HUMAN CX3CR1 FULL LENGTH PROTEIN

Cat.#: 11096

Product Name: Human CX3CR1 Full Length Protein

Size : 10 µg; 50 µg and 100 µg

Synonyms: CCRL1; CMKBRL1; CMKDRI; GPR13; GPRV28; V28

Target: CX3CR1

UNIPROT ID: P49238

Description: Human CX3CR1 Full Length Protein-Synthetic Nanodisc

Background: Fractalkine is a transmembrane protein and chemokine involved in the adhesion and migration of leukocytes. The protein encoded by this gene is a receptor for fractalkine. The encoded protein also is a coreceptor for HIV-1, and some variations in this gene lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS.

Species/Host: HEK293

Molecular Weight: The human full length CX3CR1 protein has a MW of 40.4 kDa

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

ELISA assay to evaluate CX3CR1-Nanodisc 0.2µg Human CX3CR1-Nanodisc per well

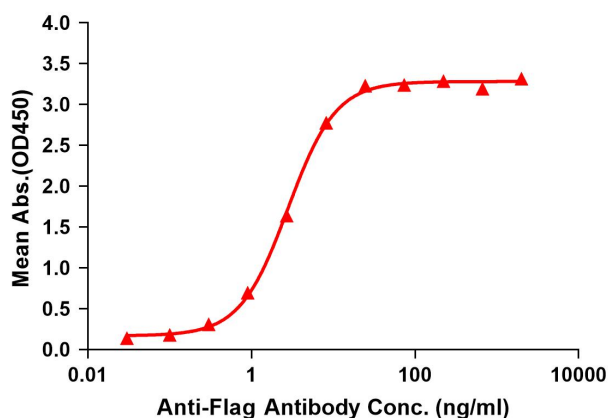


Figure 1. Elisa plates were pre-coated with Flag Tag CX3CR1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CX3CR1-Nanodisc is 2.796ng/ml.



Figure 2. Human CX3CR1-Nanodisc, Flag Tag on SDS-PAGE