HUMAN XCR1 FULL LENGTH PROTEIN

Cat.#: 11101
Product Name: Human XCR1 Full Length Protein
Size : 10 µg; 50 µg and 100 µg
Synonyms: CCXCR1; GPR5
Target: XCR1
UNIPROT ID: P46094
Description: Human XCR1 Full Length Protein-Synthetic Nanodisc
Background: The protein is a chemokine receptor belonging to the G protein-coupled receptor superfamily. The family members are characterized by the presence of 7 transmembrane domains and numerous conserved amino acids. This receptor is most closely related to RBS11 and the MIP1-alpha/RANTES receptor. It transduces a signal by increasing the intracellular calcium ions level. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. Several alternatively spliced transcript variants encoding the same protein have been found for this gene.
Species/Host: HEK293
Molecular Weight: The human full length XCR1 protein has a MW of 38.5 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

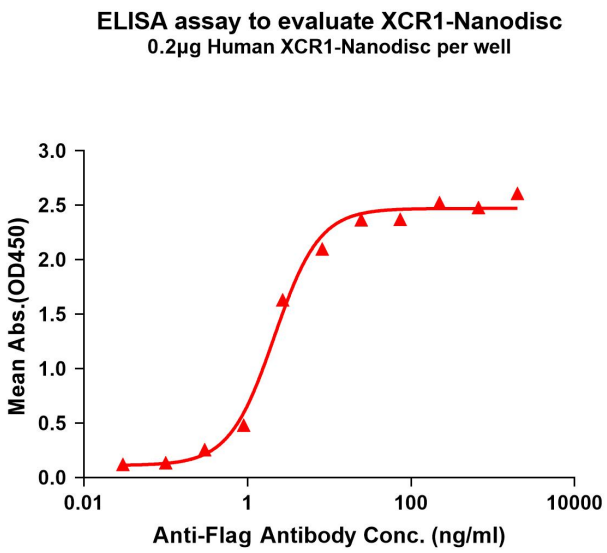

Figure 1. Elisa plates were pre-coated with Flag Tag XCR1-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with XCR1-Nanodisc is 2.130ng/ml.

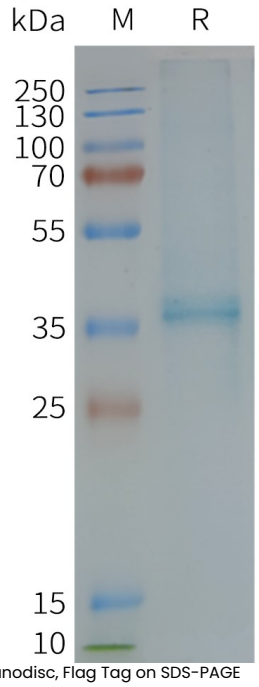

Figure 2. Human XCR1-Nanodisc, Flag Tag on SDS-PAGE