

## HUMAN XCR1 FULL LENGTH PROTEIN

目录: 11101

产品名称: Human XCR1 Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: CCXCR1; GPR5

Target: XCR1

UNIPROT ID: P46094

描述: Human XCR1 Full Length Protein-Synthetic Nanodisc

背景: 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.

**储存和运输:** 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 XCR1-Nanodisc 0.2µg Human XCR1-Nanodisc per well

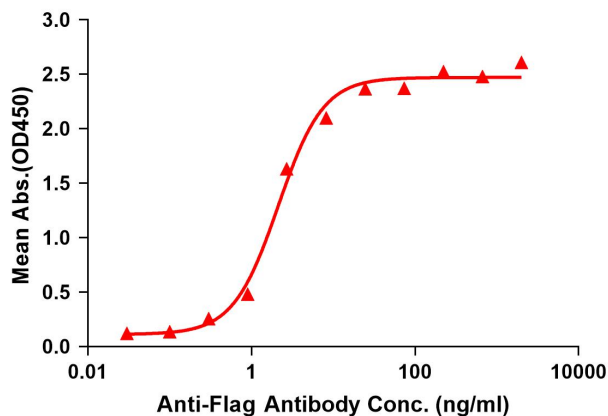


Figure 1. Elisa plates were pre-coated with Flag Tag XCR1-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with XCR1-Nanodisc is 2.130ng/ml.

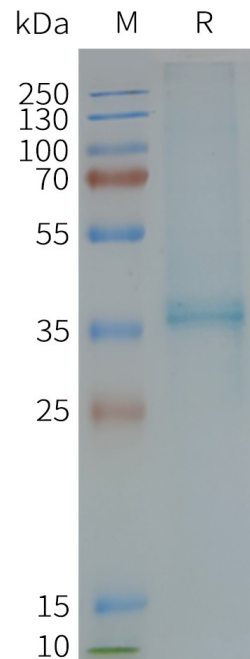


Figure 2. Human XCR1-Nanodisc, Flag Tag on SDS-PAGE