

PRODUCT INFORMATION

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| Tag | C-Flag Tag |
| Target | XCR1 |
| Synonyms | CCXCR1; GPR5 |
| Description | Human XCR1 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P46094 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | Chemokine signaling pathway, Cytokine-cytokine receptor interaction |
| 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. Please see Certificate of Analysis for specific instructions of reconstitution. |
| 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. |
| 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. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate XCR1-Nanodisc
0.2 μ g Human XCR1-Nanodisc per well

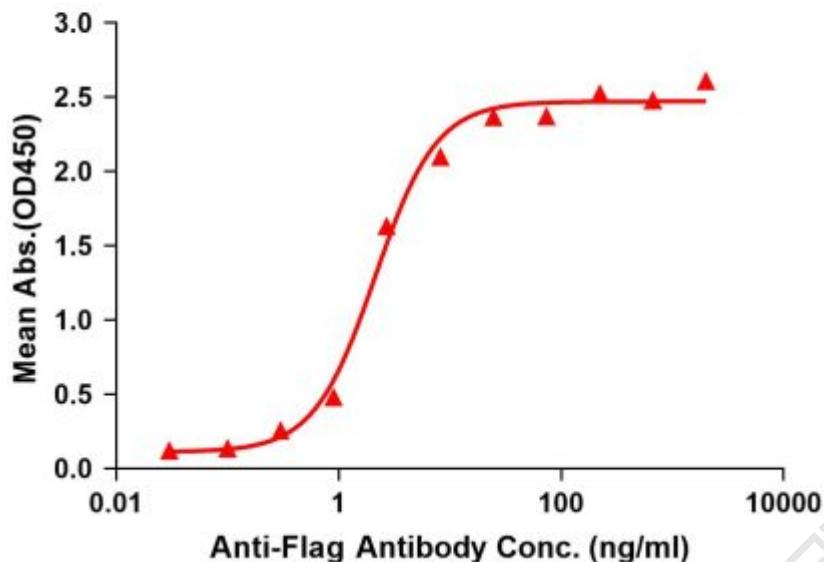


Figure1. Elisa plates were pre-coated with Flag Tag XCR1-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with XCR1-Nanodisc is 2.130ng/ml.



Figure2. Human XCR1-Nanodisc, Flag Tag on SDS-PAGE

