

PRODUCT INFORMATION

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| Tag | C-Flag Tag |
| Target | CCR7 |
| Synonyms | BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EBI1 |
| Description | Human CCR7 full length protein-synthetic nanodisc |
| Delivery | In Stock |
| Uniprot ID | P32248 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, GPCR, Transmembrane |
| Protein Pathways | Chemokine signaling pathway, Cytokine-cytokine receptor interaction |
| Molecular Weight | The human full length CCR7 protein has a MW of 42.9 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 |
| 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 member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. |
| Usage | Research use only |
| Conjugate | Unconjugated |



ELISA assay to evaluate CCR7-Nanodisc 0.2 μ g Human CCR7-Nanodisc per well

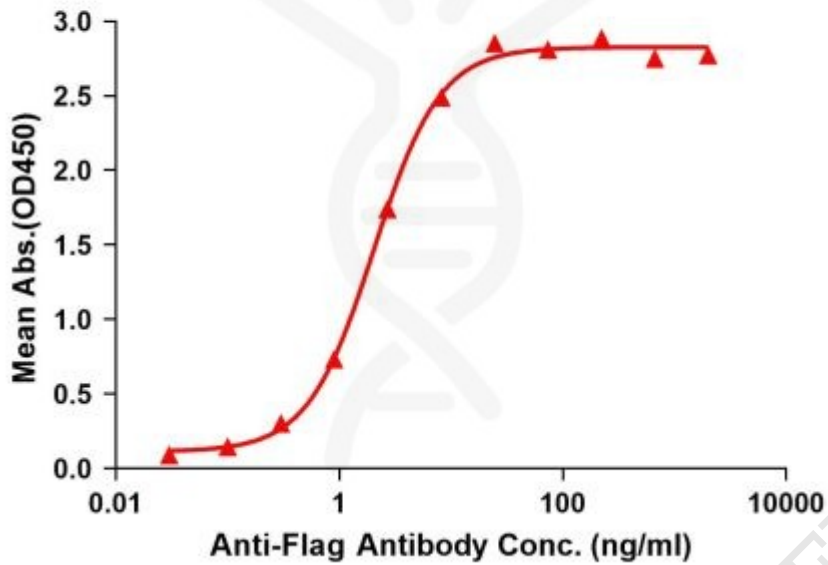


Figure1. Elisa plates were pre-coated with Flag Tag CCR7-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CCR7-Nanodisc is 2.044ng/ml.



Figure2. Human CCR7-Nanodisc, Flag Tag on SDS-PAGE

