HUMAN CCR7 FULL LENGTH PROTEIN

Cat.#: 11041
Product Name: Human CCR7 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EBI1
Target: CCR7
UNIPROT ID: P32248
Description: Human CCR7 full length protein-synthetic nanodisc
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.
Species/Host: HEK293
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.
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.

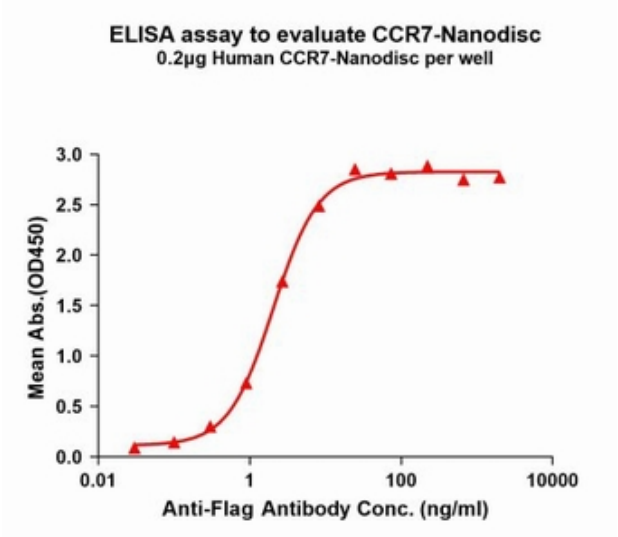

Figure1. Elisa plates were pre-coated with Flag Tag CCR7-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CCR7-Nanodisc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

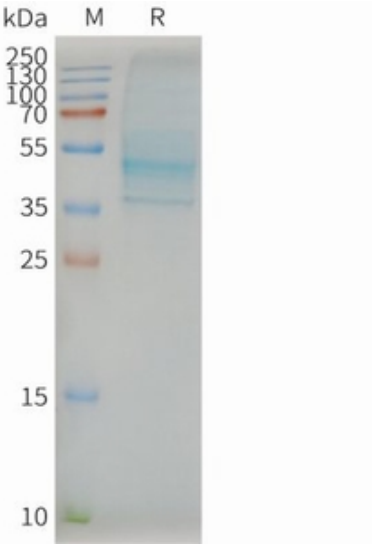

Figure2. Human CCR7-Nanodisc, Flag Tag on SDS-PAGE