

PRODUCT INFORMATION

Tag	C-Flag Tag
Expression Host	HEK293
Target	CCR7
Synonyms	BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EB11
Description	Human CCR7 full length protein-MNP
Uniprot ID	P32248
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
Delivery	In Stock
Formulation & Reconstitution	Lyophilized from PBS. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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-MNP 0.5 μ g Human CCR7-MNP per well

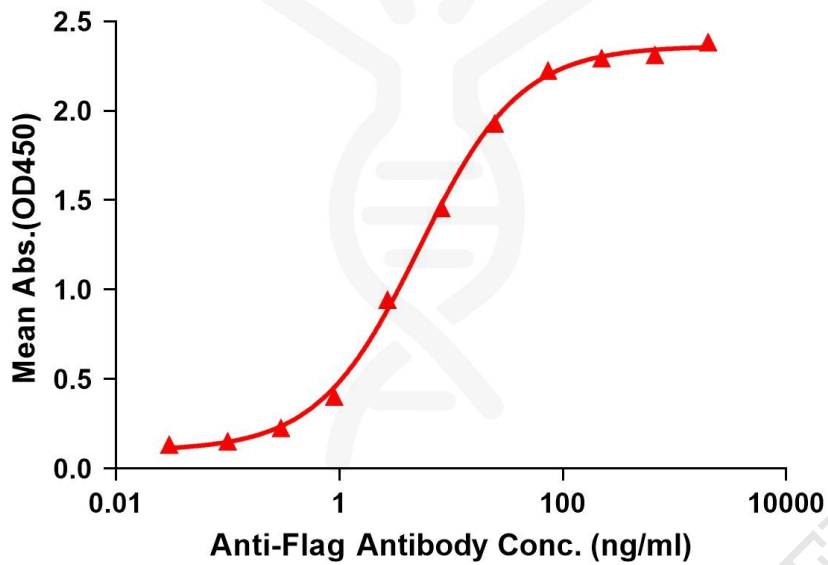


Figure 1. Elisa plates were pre-coated with 0.5 μ g/per well purified human CCR7 full length membrane nanoparticles. Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CCR7 full length membrane nanoparticles is 5.185ng/ml.

