PRODUCT INFORMATION

Target	CCR8
Synonyms	CC-CKR-8; CCR-8; CDw198; CKRL1; CMKBR8; CMKBRL2; CY6; GPRCY6; TER1
Description	Human CCR8 full length protein membrane nanoparticles (MNPs)
Delivery	In Stock
Uniprot ID	P51685
Expression Host	HEK293
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Chemokine signaling pathway,cytokine-cytokine receptor interaction
Molecular Weight	The human full length CCR8 Protein has a MW of 40.7 kDa
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. 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	A member of the beta chemokine receptor family,which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309,thymus activation-regulated cytokine (TARC) and macrophage inflammatory protein-1 beta (MIP-1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically,this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region.
Usage	Research use only
Conjugate	Unconjugated

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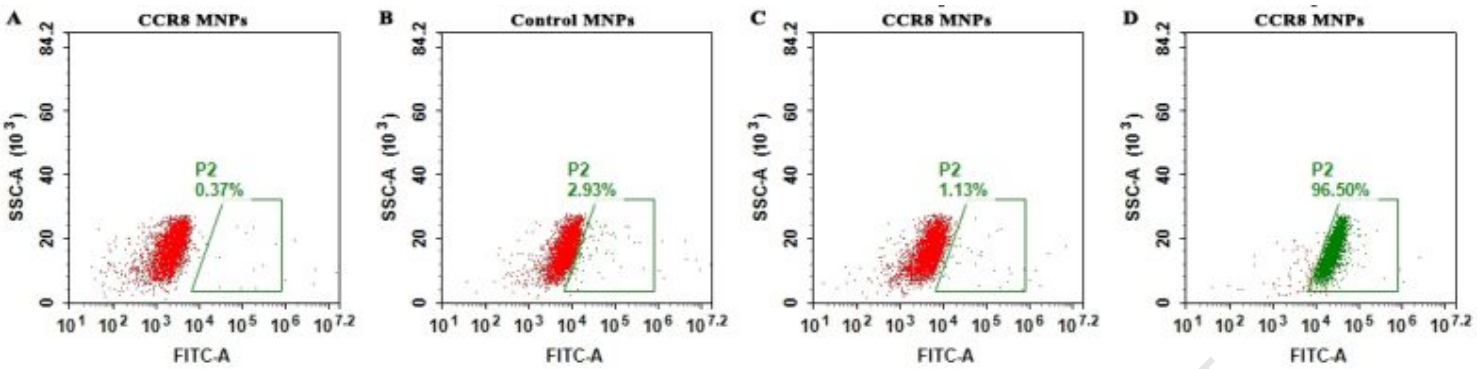


Figure 1. FACS analysis of CCR8 MNPs
A. Negative Control 1: CCR8 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody.

B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-CCR8 antibody (BME100063) at 2 μg/mL, followed by Goat anti-human IgG 488 secondary antibody.

C. Negative Control 3: CCR8 full length membrane nanoparticles samples were stained with anti-Claudin 18.2 antibody (an irrelevant antibody) at 2 μg/mL, followed by Goat anti-human IgG 488 secondary antibody.

D. CCR8 full length membrane nanoparticles samples were stained with anti-CCR8 antibody (BME100063) at 2 μg/mL, followed by Goat anti-human IgG 488 secondary antibody.

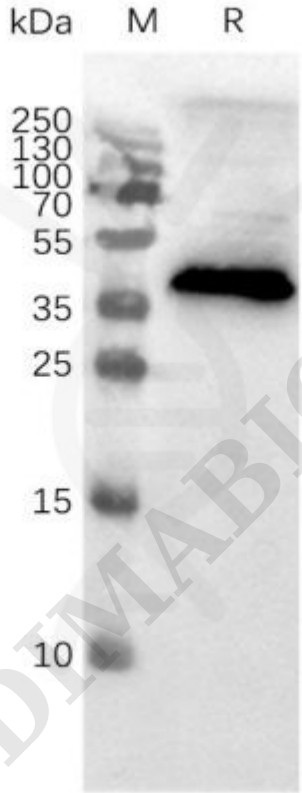


Figure 2. Western blot of CCR8 MNPs

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