## PRODUCT INFORMATION

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|---|---|
| **Target** | CCR4 |
| **Synonyms** | CC-CKR-4; CD194; ChemR13; CKR4; CMKBR4 |
| **Description** | Human CCR4 full length protein membrane nanoparticles (MNPs) |
| **Delivery** | In Stock |
| **Uniprot ID** | P51679 |
| **Expression Host** | HEK293 |
| **Protein Families** | GPCR |
| **Protein Pathways** | Chemokine signaling pathway, Cytokine-cytokine receptor interaction |
| **Molecular Weight** | The human full length CCR4 Protein has a MW of 41.4 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** | The protein belongs to the G-protein-coupled receptor family . It is a receptor for the CC chemokine – MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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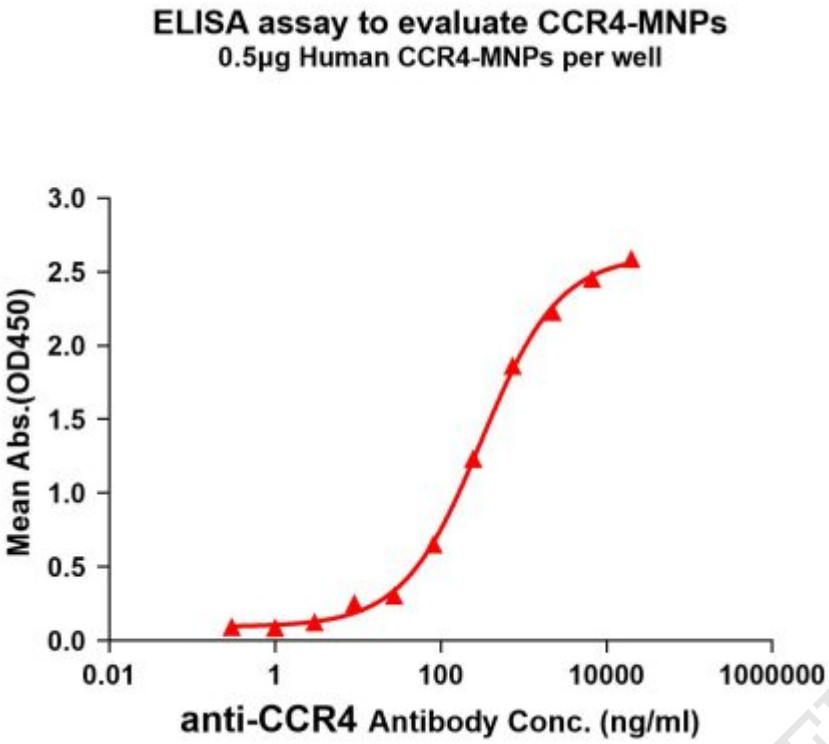



Figure1. Elisa plates were pre-coated with 0.5μg/per well purified human CCR4 full length membrane nanoparticles. Serial diluted anti-CCR4 monoclonal antibody (BME100086) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CCR4 monoclonal antibody binding with CCR4 full length membrane nanoparticles is 308.3ng/ml.

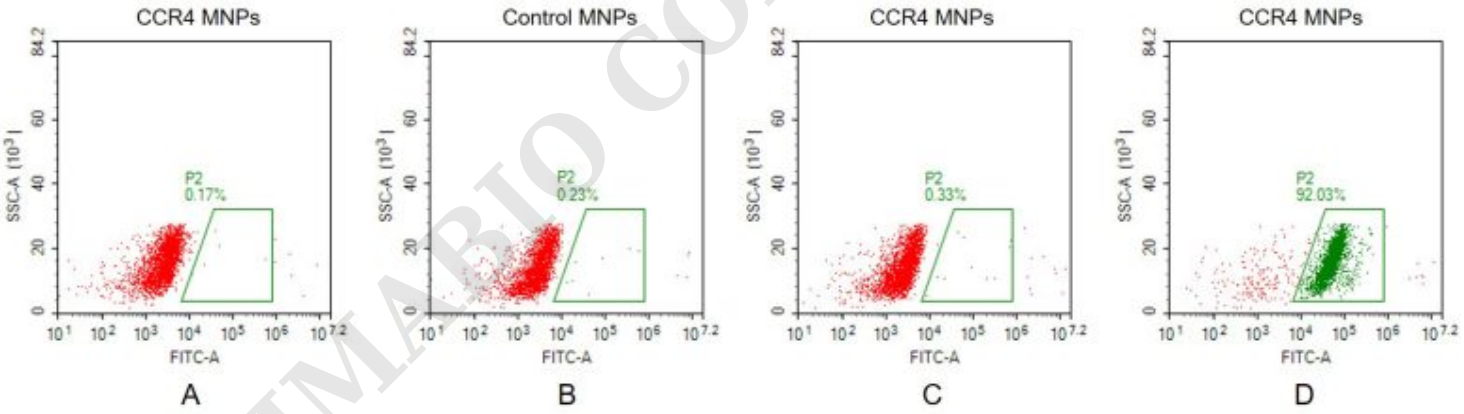



Figure2. FACS analysis of CCR4 MNPs
A. Negative Control 1: CCR4 full length membrane nanoparticles samples were stained only with Goat anti-human IgG 488 secondary antibody.
B. Negative Control 2: Control membrane nanoparticles samples were stained with anti-CCR4 antibody (BME100086) at 2μg/mL, followed by Goat anti-human IgG 488 secondary antibody.
C. Negative Control 3: CCR4 full length membrane nanoparticles samples were stained with anti-CCR8 antibody (an irrelevant antibody) at 2μg/mL, followed by Goat anti-human IgG 488 secondary antibody.
D. CCR4 full length membrane nanoparticles samples were stained with anti-CCR4 antibody (BME100086) at 2μg/mL, followed by Goat anti-human IgG 488 secondary antibody.

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