Description

Background



PRODUCT INFORMATION

Target CCR2

Synonyms CC-CKR-2; CCR-2; CCR2A; CCR2B; CD192; CKR2;

CKR2A; CKR2B; CMKBR2; MCP-1-R Human CCR2 full length protein-MNP

Delivery In Stock
Uniprot ID P41597
Expression Host HEK293

Protein Families Druggable Genome, Transmembrane

Protein PathwaysChemokine signaling pathway, Cytokine-cytokine

receptor interaction

Molecular Weight The human full length CCR2 protein has a MW of

41.9 kDa

Formulation &Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before

Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

Storage & Shipping intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

témperature.

The protein is a receptor for monocyte

chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The

encoded protein mediates agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This protein can also be a coreceptor with CD4 for HIV-1 infection. This gene is located in the chemokine receptor gene cluster region of

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chromosome 3.

Usage Research use only

Conjugate Unconjugated







ELISA assay to evaluate CCR2-MNP 0.5µg Human CCR2-MNP per well

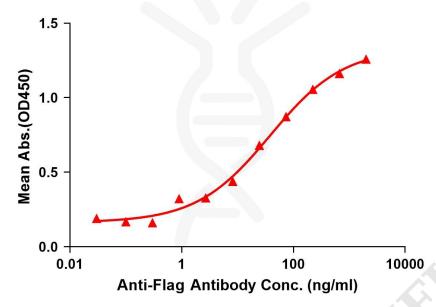


Figure 1. Elisa plates were pre-coated with $0.5\mu g/per$ well purified human CCR2 full length membrane nanoparticles. Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CCR2 full length membrane nanoparticles is 38.49 ng/ml.



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