

## PRODUCT INFORMATION

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|---|--|
| <b>Target</b>                           | CCR4   |
| <b>Synonyms</b>                         | CC-CKR-4;CD194;ChemR13;CKR4;CMKBR4;HGNC:14099;K5-5   |
| <b>Description</b>                      | Recombinant Human CCR4 with C-terminal human Fc tag  |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | P51679   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-Human Fc Tag   |
| <b>Molecular Characterization</b>       | CCR4(Met1-Glu39)(Ala99-Lys111)(Ser176-Val200)(Val268-Tyr284)hFc(Glu99-Ala330)  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 37.1 kDa after removal of the signal peptide. The apparent molecular mass of CCR4-hFc is approximately 35-55 kDa due to glycosylation.   |
| <b>Purity</b>                           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.   |
| <b>Formulation &amp; Reconstitution</b> | 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.  |
| <b>Storage &amp; Shipping</b>           | 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.  |
| <b>Background</b>                       | The protein encoded by this gene 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. [provided by RefSeq, Jul 2008] |
| <b>Usage</b>                            | Research use only  |
| <b>Conjugate</b>                        | Unconjugated   |



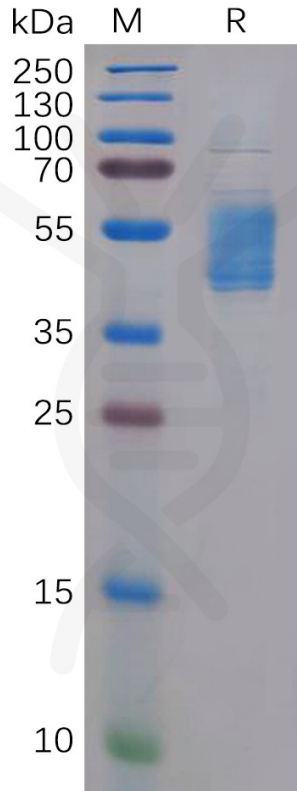


Figure 1. Human CCR4 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human CCR4, hFc Tagged protein ELISA

0.2  $\mu$ g of Human CCR4, hFc tagged protein per well

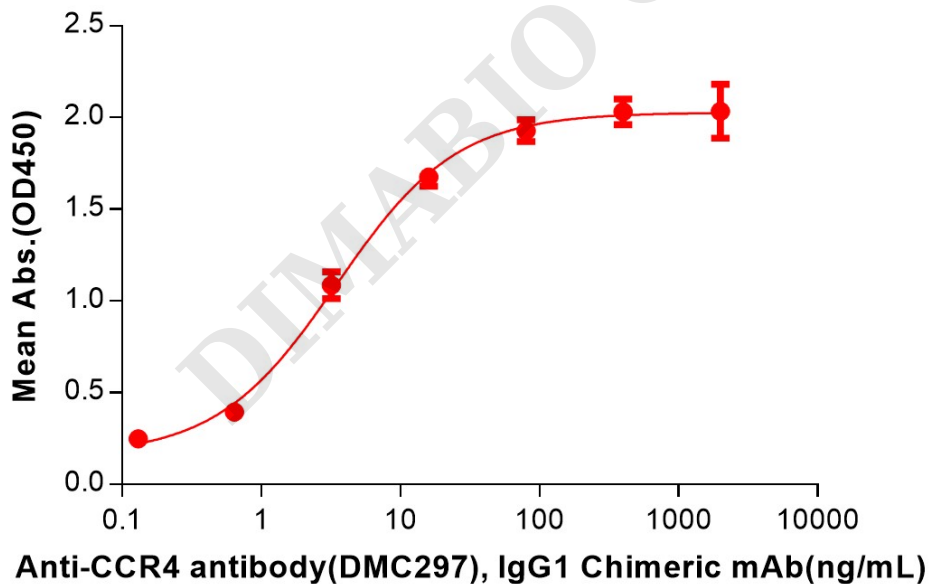


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CCR4 Protein, hFc Tag (PME100112) can bind Anti-CCR4 antibody(DMC297), IgG1 Chimeric mAb in a linear range of 0.64-16 ng/mL.

