

## **PRODUCT INFORMATION**

**Target** CXCR3

**Synonyms** CD182;CD183;CKR-L2;CMKAR3;GPR9;IP10-R;Mig-R;MigR Recombinant Human CXCR3 with C-terminal human Fc **Description** 

**Delivery** In Stock P49682 **Uniprot ID Expression Host HEK293** 

C-Human Fc Tag Tag

Molecular Characterization

**Background** 

CXCR3(Met1-Arg53) hFc(Glu99-Ala330)

The protein has a predicted molecular mass of 32.0 kDa after removal of the signal peptide. The apparent molecular mass of CXCR3-hFc is approximately 35-55 **Molecular Weight** 

kDa due to glycosylation.

**Purity** 

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific

Formulation & Reconstitution

instructions of reconstitution.

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 Storage & Shipping freezing and thawing). Lyophilized proteins are shipped

at ambient temperature.

This gene encodes a G protein-coupled receptor with selectivity for three chemokines, termed CXCL9/Mig (monokine induced by interferon-g), CXCL10/IP10 (interferon-g-inducible 10 kDa protein) and CXCL11/I-TAC (interferon-inducible T cell a-chemoattractant). Binding of chemokines to this protein induces cellular responses that are involved in laukocyte traffic most

responses that are involved in leukocyte traffic, most notably integrin activation, cytoskeletal changes and chemotactic migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the isoforms (CXCR3-B) shows high affinity binding to chemokine, CXCL4/PF4 (PMID:12782716). [provided by RefSeq, Jun 2011]

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Usage Research use only Unconjugated Conjugate





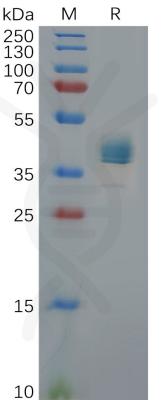


Figure 1. Human CXCR3 Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human CXCR3,hFc Tagged protein ELISA

0.2 μg of Human CXCR3, hFc tagged protein per well

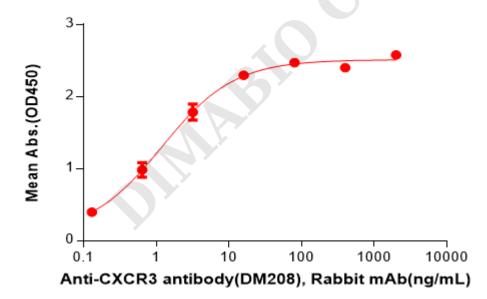


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CXCR3 Protein, hFc Tag(PME100833) can bind Anti-CXCR3 antibody(DM208), Rabbit mAb in a linear range of 0.13–3.20 ng/mL.

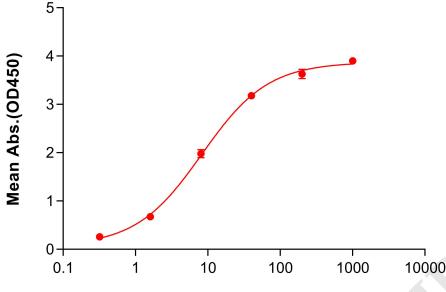
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## Human CXCR3, hFc Tagged protein ELISA

 $0.2~\mu g$  of Human CXCR3, hFc tagged protein per well



Anti-CXCR3 (53Hu37 biosimilar)mAb (ng/mL)

Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CXCR3 Protein, hFc Tag (PME100833) can bind Anti-CXCR3 (53Hu37 biosimilar)mAb (BME100283) in a linear range of 1.6–8 ng/mL.

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