Human CXCR2 Protein, hFc Tag

Cat. No. PME100937

PRODUCT INFORMATION

Target	CXCR2
Synonyms	CD182;CDw128b;CMKAR2;IL8R2;IL8RA;IL8RB
Description	Recombinant Human CXCR2 with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P25025
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CXCR2(Met1-Lys48) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 31.7 kDa after removal of the signal peptide. The apparent molecular mass of CXCR2-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
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 encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. Alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2009]
Usage	Research use only
Conjugate	Unconjugated

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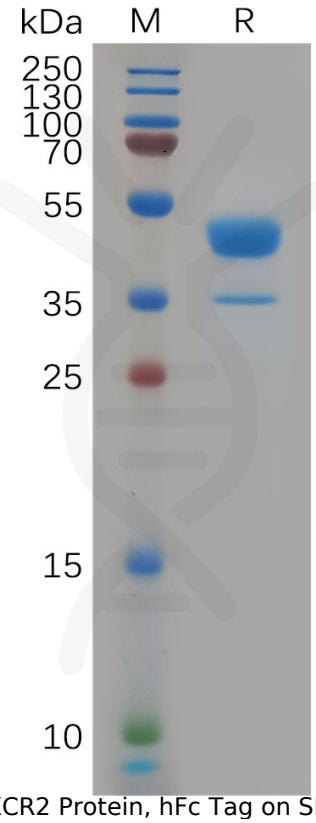


Figure 1. Human CXCR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

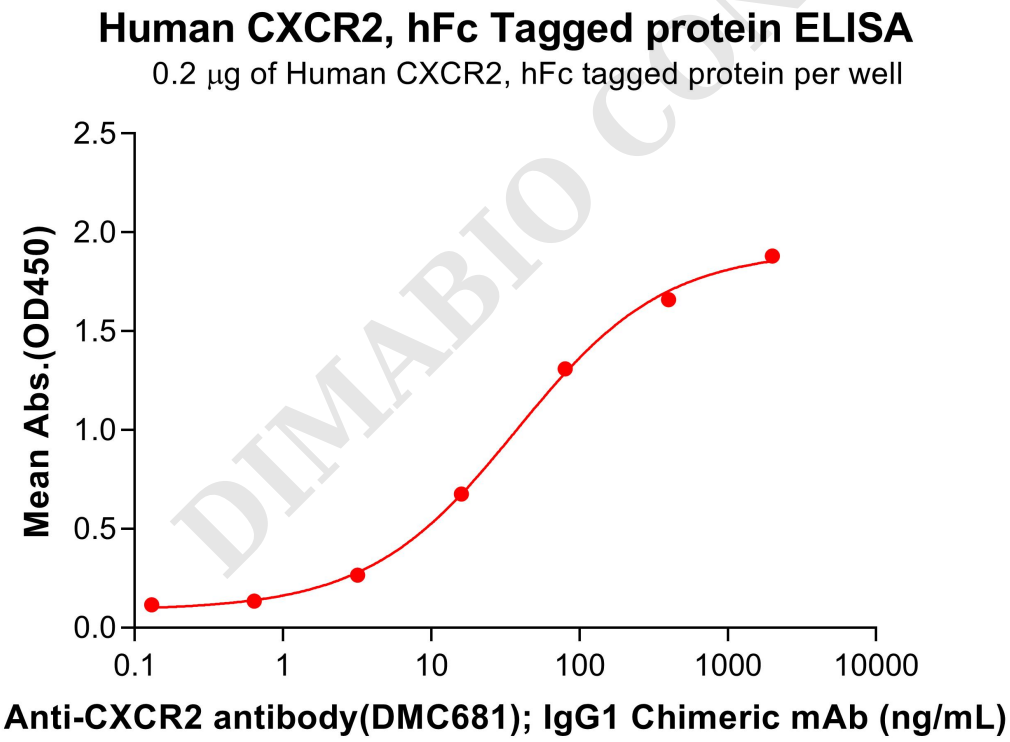


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CXCR2 Protein, hFc Tag (PME100937) can bind Anti-CXCR2 antibody(DMC681); IgG1 Chimeric mAb (DMC100681) in a linear range of 16–80 ng/mL.

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