PRODUCT INFORMATION

Target	CCR2
Synonyms	CC-CKR-2;MCP-1-R;CD192
Description	Recombinant human CCR2 protein with C-terminal mouse Fc tag
Delivery	In Stock
Uniprot ID	P41597
Expression Host	HEK293
Tag	C-Mouse Fc Tag
Molecular Characterization	CCR2(Met1-Ala42) mFc(Pro99-Lys330)
Molecular Weight	The protein has a predicted molecular mass of 31.1 kDa after removal of the signal peptide. The apparent molecular mass of CCR2-mFc 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 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 chromosome 3. [provided by RefSeq, Aug 2017]
Usage	Research use only
Conjugate	Unconjugated

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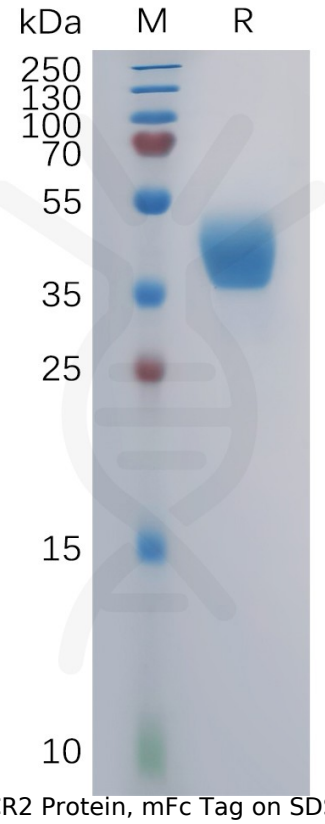


Figure 1. Human CCR2 Protein, mFc Tag on SDS-PAGE under reducing condition.

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