

## PRODUCT INFORMATION

<b>Target</b>	CCR2
<b>Synonyms</b>	Ckr2; Ccr2a; Ccr2b; Ckr2a; Ckr2b; mJe-r; Cmkbr2; Cc-ckr-2
<b>Description</b>	Recombinant mouse CCR2 protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P51683
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	Mouse CCR2(Met1-Ala55) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 32.3 kDa after removal of the signal peptide. The apparent molecular mass of mCCR2-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.
<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>	Enables C-C chemokine binding activity and C-C chemokine receptor activity. Involved in several processes, including leukocyte migration; positive regulation of cell migration; and regulation of cytokine production. Acts upstream of or within several processes, including cellular defense response; monocyte chemotaxis; and neutrophil clearance. Located in external side of plasma membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system gland; and liver and biliary system. Used to study Coronavirus infectious disease and age related macular degeneration. Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; aggressive periodontitis; coronary artery disease (multiple); glucose metabolism disease (multiple); and uveitis (multiple). Orthologous to human CCR2 (C-C motif chemokine receptor 2). [provided by Alliance of Genome Resources, Apr 2022]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated





Figure 1. Mouse CCR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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