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Datasheet for ABIN7538184

CCR2 Protein (AA 1-55) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	CCR2
Protein Characteristics:	AA 1-55
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCR2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse CCR2 protein with C-terminal human Fc tag
Specificity:	Mouse CCR2 (Met1-Ala55) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CCR2
Alternative Name:	CCR2 (CCR2 Products)
Background:	Enables C-C chemokine binding activity and C-C chemokine receptor activity. Involved in several

Target Details

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]

Molecular Weight: predicted molecular mass of 32.3 kDa after removal of the signal peptide. The apparent molecular mass of mCCR2-hFc is 35-55 kDa due to glycosylation.

UniProt: [P51683](#)

Pathways: [cAMP Metabolic Process](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Restrictions: For Research Use only

Handling

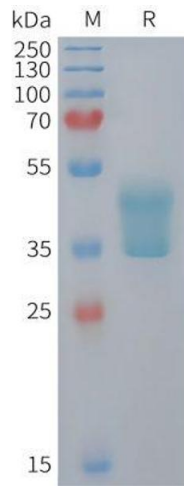
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

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