Datasheet for ABIN6964235

CCL2 Protein (AA 24-99) (Fc Tag)

2 Images

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Overview

Quantity:	100 µg
Target:	CCL2
Protein Characteristics:	AA 24-99
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCL2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human CCL2 protein with C-terminal human Fc tag
Specificity:	CCL2 (Gln24-Thr99) 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:	CCL2
Alternative Name:	CCL2 (CCL2 Products)
Background:	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17.

Target Details

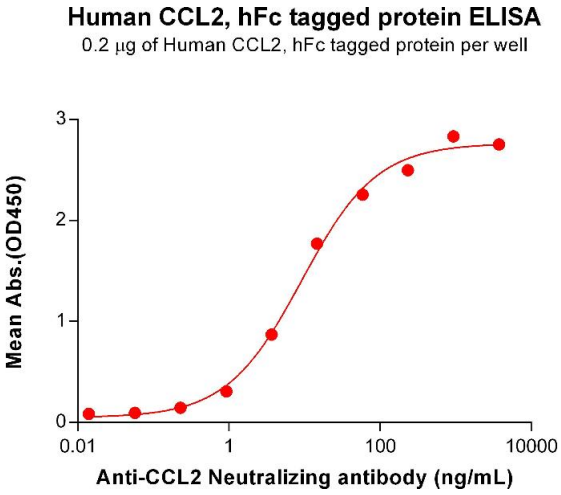
	Chemokines are a superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and basophils but not for neutrophils or eosinophils. It has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, like psoriasis, rheumatoid arthritis and atherosclerosis. It binds to chemokine receptors CCR2 and CCR4. Elevated expression of the encoded protein is associated with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection. [provided by RefSeq, Aug 2020]
Molecular Weight:	predicted molecular mass of 34.8 kDa after removal of the signal peptide. The apparent molecular mass of CCL2-hFc is 35-55 kDa due to glycosylation.
UniProt:	P13500
Pathways:	Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, ER-Nucleus Signaling, Unfolded Protein Response, The Global Phosphorylation Landscape of SARS-CoV-2 Infection

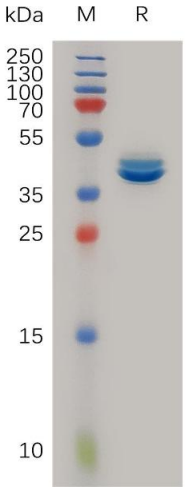
Application Details

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





ELISA

Image 1. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human Protein, hFc Tag (ABIN6964235, ABIN7042685 and ABIN7042686) can bind Anti- Neutralizing antibody ABIN7478018 and ABIN7490987 in a linear range of 0.92-234.38 ng/mL.

SDS-PAGE

Image 2. Human Protein, hFc Tag on SDS-PAGE under reducing condition.