

Human CCR2b Protein-VLP

Cat. No. CCR-HM02B

Description

Source	Recombinant Human CCR2b Protein-VLP is expressed from Expi293. It contains Met1-Ala374.
Accession	P41597-2
Molecular Weight	The protein has a predicted MW of 42.9kDa.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

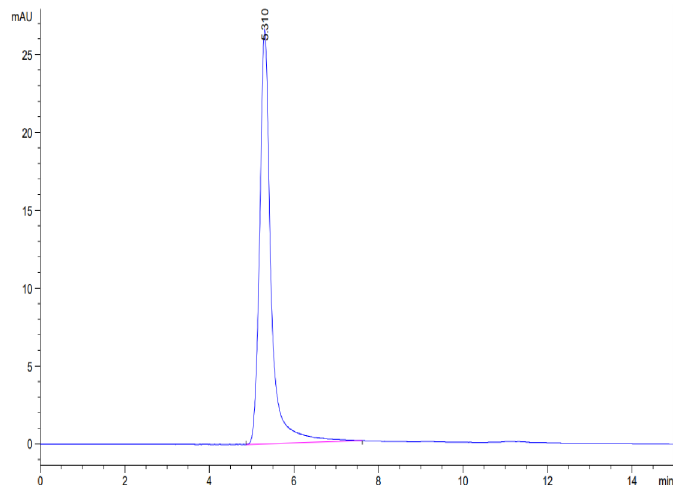
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

The chemokine (C-C motif) receptor 2B (CCR2B) is one of the two isoforms of the receptor for monocyte chemoattractant protein-1 (CCL2), the major chemoattractant for monocytes, involved in an array of chronic inflammatory diseases. The actin-binding protein filamin A (FLNa) as a protein that associates with the carboxyl-terminal tail of CCR2B. FLNa emerges as an important protein for controlling the internalization and spatial localization of the CCR2B receptor in different dynamic membrane structures.

Assay Data

SEC-HPLC



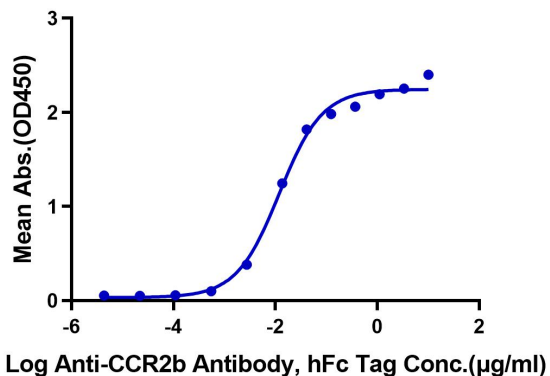
The purity of Human CCR2b VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Assay Data

Human CCR2b VLP ELISA

0.5µg Human CCR2b VLP Per Well



Immobilized Human CCR2b VLP at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CCR2b Antibody, hFc Tag with the EC50 of 12.0ng/ml determined by ELISA.