Biotinylated Human CCR2b Protein-VLP

Cat. No. CCR-HM02BB

Description

Source	Recombinant Biotinylated Human CCR2b Protein-VLP is expressed from HEK293.
	It contains Met1-Leu360 (It may have cross reaction with anti-His antibody).
Accession	P41597-2
Molecular Weight	The target 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

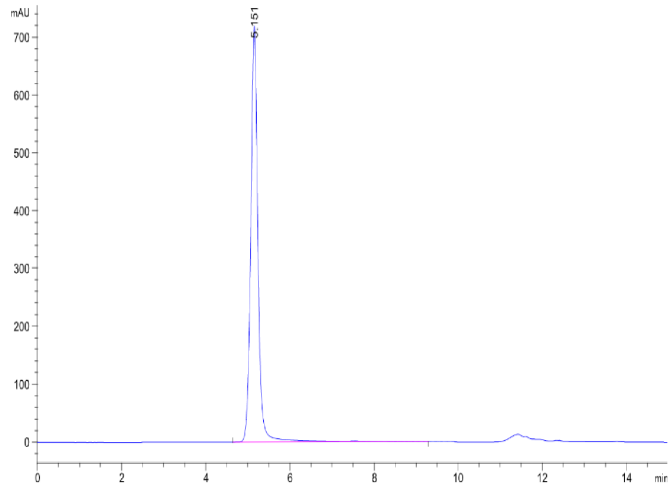
Formulation	Supplied as 0.22μm filtered solution in PBS, 300mM L-Arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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 Biotinylated Human CCR2b VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

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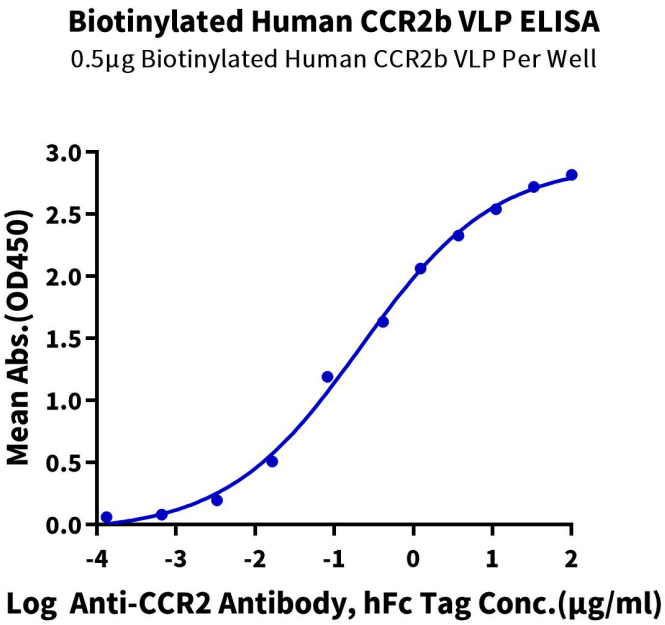
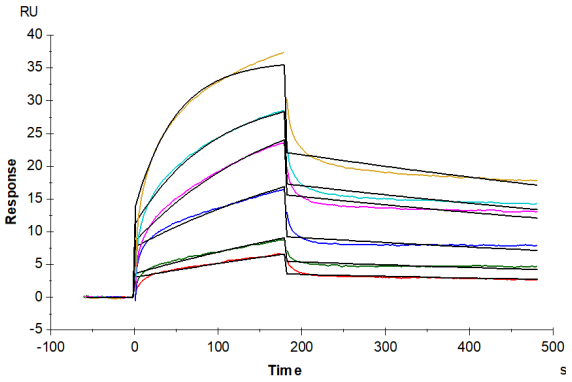
Assay Data



Immobilized Biotinylated Human CCR2b VLP at 5μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-CCR2 Antibody, hFc Tag with the EC50 of 0.21μg/ml determined by ELISA (QC Test).

SPR Data



Biotinylated CCR2B VLP captured on CM5 Chip via streptavidin can bind Anti-CCR2 Antibody, hFc with an affinity constant of 2.19 nM as determined in SPR assay (Biacore T200).

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