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.
Accession	P41597-2
Molecular Weight	The target protein has a predicted MW of 42.9kDa.
Endotoxin	Less than 1EU per μl by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

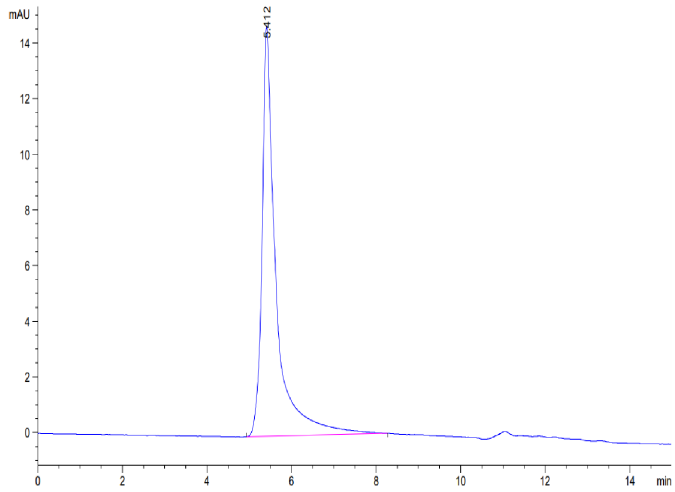
Formulation	Lyophilized from 0.22μm filtered solution in PBS, 300mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.Notice: If you need it for immunization, Do Not use any adjuvant.
Reconstitution	Centrifuge the tube before opening.Redissolve with distilled water to 100μl.
Storage	-20°C or lower for 12 months as supplied from date of receipt.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.

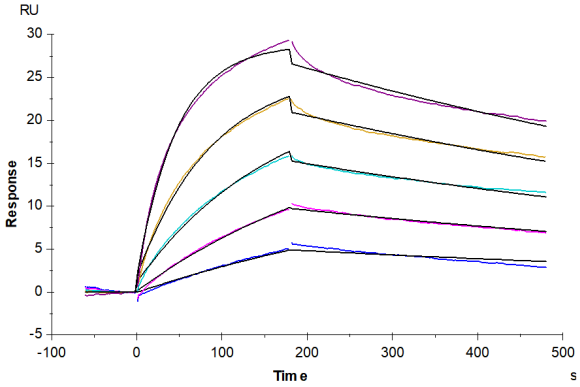
Assay Data

SEC-HPLC



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

SPR Data



Biotinylated Human CCR2b VLP captured on SA Chip can bind Anti-CCR2b Antibody with an affinity constant of 5.24 nM as determined in SPR assay (Biacore T200).