

CCR2b Protein-VLP, Human, Recombinant

General Information

Synonyms:	C-C CKR-2;CCR2;MCP-1-R;CCR-2;CMKBR2
Protein Construction:	Met1-Leu360
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P41597-2
Molecular Weight:	42.9kDa (predicted)

QC Testing

Biological Activity:	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.
Purity:	> 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).Notice: If you need it for immunization, Do Not use any adjuvant.

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Reference

Minsaas L, et al. Filamin a binds to CCR2B and regulates its internalization. PLoS One. 2010 Aug 17;5(8):e12212. doi: 10.1371/journal.pone.0012212. PMID: 20808917; PMCID: PMC2923182.

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