



Synonym

CCR5,CMKBR5,CD195,CC-CKR-5,CHEMR13

Source

Fluorescent Human CCR5 Full Length Protein (VLP)(CC5-H52P5) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Lys 352 (Accession # [P51681-1](#)).

Predicted N-terminus: Met 1

Molecular Characterization

This protein carries a GFP tag.

Virus-like particles(VLPs) are formed by self-assembly of capsid proteins from viruses. Membrane Proteins can be constituted in-situ with VLPs produced from HEK293 cell cultures. These VLPs concentrate conformationally intact membrane proteins directly on the cell surface and produce soluble, high-concentration proteins perfect for immunization and antibody screening.



The VLPs provide the display of properly folded membrane proteins in their native cellular membrane in a compact size of 100~300 nm diameter (similar to the size of most viruses) making it optimal targets for dendritic cells *in vivo* and surface attachment for phage display.

Conjugate

GFP

Excitation source: 488 nm spectral line, argon-ion laser

Excitation Wavelength: 488 nm

Emission Wavelength: 530 nm

*The isotype control of empty/mock VLP (Cat. No. [VLP-NF2P4](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

Formulation

The VLPs are highly immunogenic, so the immunization strategy should be optimized (antigen dose, regimen and adjuvant).

Supplied as 0.2 μ m filtered solution in PBS, Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

Bioactivity-ELISA

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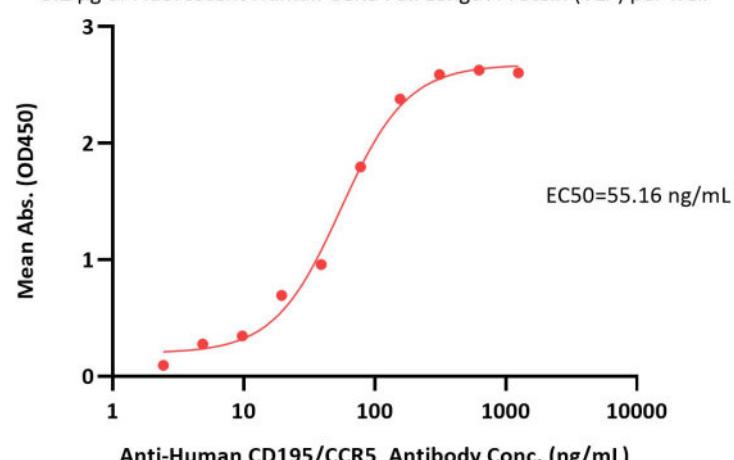
Fluorescent Human CCR5 Full Length Protein (VLP)

Catalog # CC5-H52P5



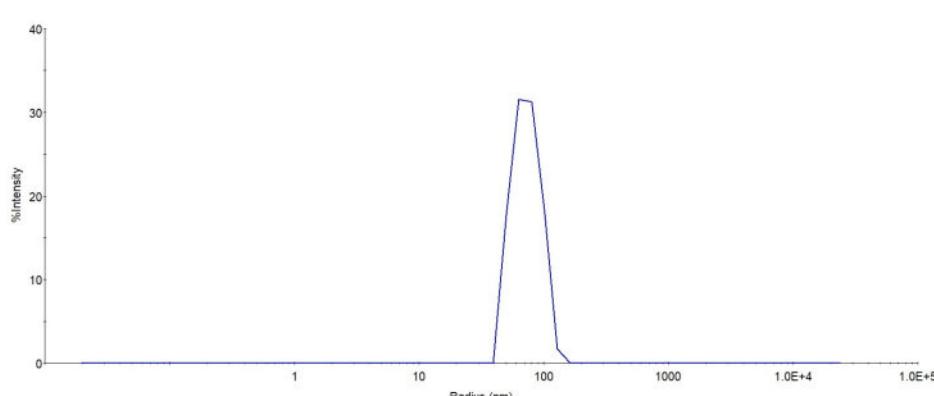
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Surprise Inside!

Fluorescent Human CCR5 Full Length Protein (VLP) ELISA
0.2 μ g of Fluorescent Human CCR5 Full Length Protein (VLP) per well



Immobilized Fluorescent Human CCR5 Full Length Protein (VLP) (Cat. No. CC5-H52P5) at 2 μ g/mL (100 μ L/well) can bind Anti-Human CD195/CCR5 Antibody with a linear range of 2-78 ng/mL (QC tested).

Identity-DLS



The mean peak Radius of VLP is 60-80 nm with more than 95% intensity as determined by dynamic light scattering (DLS).

Background

Receptor for a number of inflammatory CC-chemokines including CCL3/MIP-1-alpha, CCL4/MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation. Participates in T-lymphocyte migration to the infection site by acting as a chemotactic receptor

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