

Human CCR7 Full Length Protein, His,Flag Tag (Detergent)

Catalog # CC7-H52D3



BIOSYSTEMS
Acro
Surprise Inside!

Synonym

BLR2, CC-CKR-7, CCR-7, CD197, CDw197, CMKBR7, EBI1

Source

Human CCR7 Full Length Protein, His,Flag Tag(CC7-H52D3) is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Pro 378 (Accession # [P32248](#)).

Predicted N-terminus: Gln 25

Molecular Characterization

The protein has a calculated MW of 58.9 kDa.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>85% as determined by SDS-PAGE.

Formulation

This product is not suitable for cell based experiments due to cytotoxicity of LMNG.

LMNG and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstance should you remove LMNG and CHS. LMNG/CHS buffer (LG-13) is sold separately and not included in protein, and please contact us if you need the buffer.

If glycerol is not compatible to your application, remove glycerol just before immediate experiment, and NEVER store glycerol-free protein solution.

Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, LMNG, CHS, pH7.5 with glycerol 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

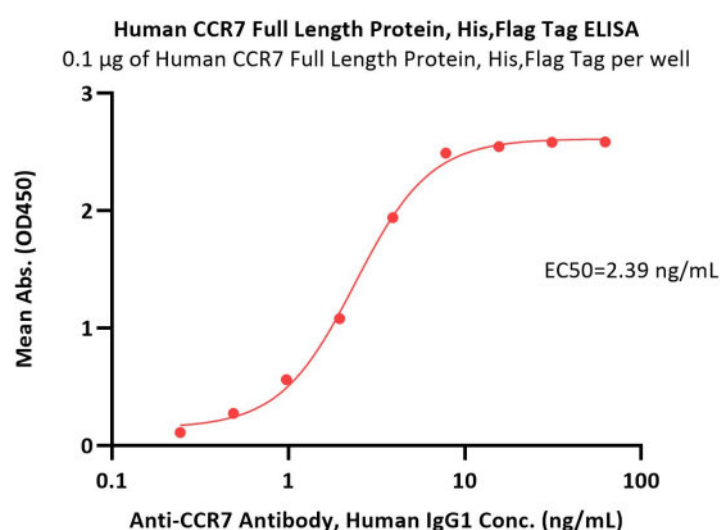
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

*The LMNG buffer (Cat. No. [LG-13](#)) is sold separately and not included in protein, you can follow [this link](#) for product information.

Bioactivity-ELISA



Immobilized Human CCR7 Full Length Protein, His,Flag Tag (Cat. No. CC7-H52D3) at 1 µg/mL (100 µL/well) can bind Anti-CCR7 Antibody, Human IgG1 with a linear range of 0.2-8 ng/mL (QC tested).

Discounts, Gifts,
and more!

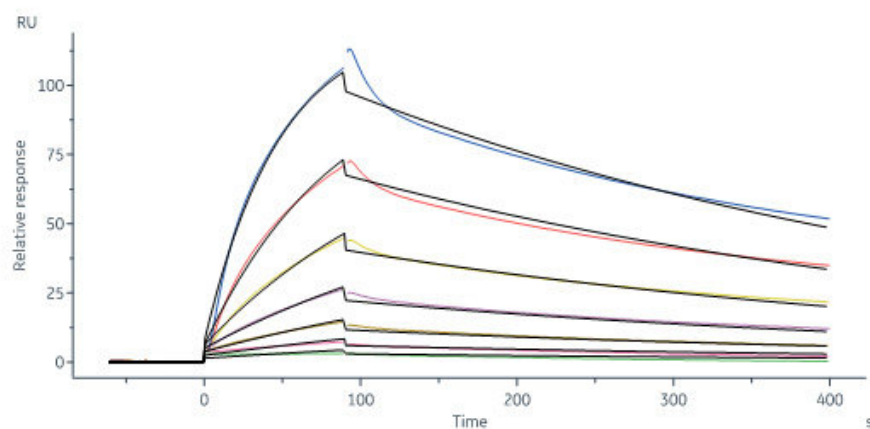


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Bioactivity-SPR



Anti-CCR7 Antibody, Human IgG1 captured on Protein A Chip can bind Human CCR7 Full Length Protein, His,Flag Tag (Cat. No. CC7-H52D3) with an affinity constant of 121 nM as determined in a SPR assay (in presence of DDM and CHS) (Biacore 8K) (Routinely tested).

Background

The monoclonal antibody mAb-729 reacts with the human CC chemokine receptor, CCR7. The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis.

Clinical and Translational Updates

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