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32-17440: Recombinant human CCR8 protein with C-terminal human Fc tag

Alternative Name : CC-CKR-8, CCR-8, CDw198, CKRL1, CMKBR8, CMKBRL2, CY6, GPRCY6, TER1

Description

Expression Host : HEK293
The protein has a predicted molecular mass of 29.37 kDa after removal of the signal peptide. CCR8 (Met 1-Lys 35), hFc (Glu 99-Ala330)
This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309, thymus activation-regulated cytokine (TARC) and macrophage inflammatory protein-1 beta (MIP-1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically, this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region.

Product Info

Amount :	50 µg
Purification :	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Content :	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage condition :	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

Application Note

Reconstitute the protein: Quick centrifuge the tube before opening the cap. Dissolve lyophilized protein in sterile and low endotoxin water according to your requirment.

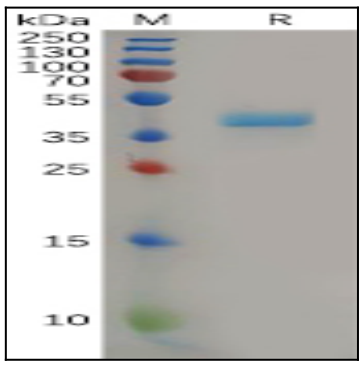


Figure 1. Human CCR8 Protein, hFc Tag on SDS-PAGE under reducing condition.

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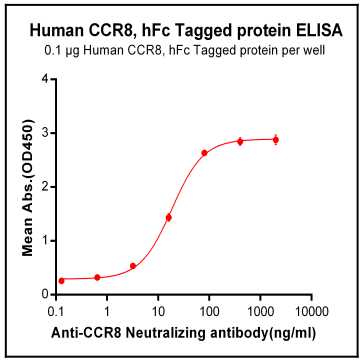


Figure 2. ELISA plate pre-coated by 1Î¼g/ml (100Î¼l/well) Human CCR8, hFc Tag can bind Anti-CCR8 Neutralizing antibody in a linear range of 3.2-80 ng/ml.

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