

PRODUCT INFORMATION

Tag C-Flag&Avi Tag

CCR8 **Target**

Synonyms CC-CKR-8,CCR-8,CDw198,CKRL1,CMKBR8,CMKBRL2,CY6,GPRCY6,TER1

Description Biotinylated Human CCR8 full length protein-PeptiNanodisc

Delivery In Stock P51685 Uniprot ID **Expression Host HEK293**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways Chemokine signaling pathway, cytokine-cytokine receptor interaction

Molecular Weight The human full length CCR8 Protein has a MW of 40.7 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150

Formulation &

mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those Reconstitution

containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. Storage & Shipping

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

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.

receptor gene cluster region.

Usage Research use only Conjugate Biotinylated

Background

Figure 1. Elisa plates were added with C-Flag&Avi Tag Biotinylated CCR8 peptiNanodisc (0.2μg/per well) on a Streptavidin pre-coated (0.2μg/per well) plate. Serial diluted anti-CCR8 monoclonal antibody (BME100115) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CCR8 monoclonal antibody binding with Biotinylated CCR8-PeptiNanodisc is 14.48ng/ml.

Figure 2. Biotinylated Human CCR8-PeptiNanodisc, C-Flag&Avi Tag on SDS-PAGE

Figure 3. WB analysis of Biotinylated Human CCR8-PeptiNanodisc with anti-CCR8 monoclonal antibody (BME100115) at 1µg/ml, followed by Goat Anti-Human IgG HRP at 1/5000 dilution

Email: info@dimabio.com Website: www.dimabio.com

Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)

