



Human CCR10 peptide (DAG-P0558)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CCR10 is the receptor for CCL27 (SCYA27; MIM 604833); CCR10-CCL27 interactions are involved in T cell-mediated skin inflammation (Homey et al., 2002 [PubMed 11821900]).[supplied by OMIM, Mar 2008]

Specificity

Expressed at high levels in adult testis, small intestine, fetal lung, fetal kidney. Weaker expression was observed in many other adult tissues including spleen, thymus, lymph node, Peyer patches, colon, heart, ovary, peripheral blood lymphocytes, thyroid

Conjugate

Unconjugated

Sequence Similarities

Belongs to the G-protein coupled receptor 1 family.

Format

Liquid

Preservative

None

Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name

[CCR10 chemokine \(C-C motif\) receptor 10 \[Homo sapiens \(human\) \]](#)

Official Symbol	CCR10
Synonyms	CCR10; chemokine (C-C motif) receptor 10; GPR2; C-C chemokine receptor type 10; CCR-10; CC-CKR-10; C-C CKR-10; CC chemokine receptor 10; G protein-coupled receptor 2; G-protein coupled receptor 2;
Entrez Gene ID	2826
mRNA Refseq	NM_016602.2
Protein Refseq	NP_057686.2
UniProt ID	P46092
Chromosome Location	17q21.1-q21.3
Pathway	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand b
Function	C-C chemokine receptor activity; G-protein coupled receptor activity;