



# Anti-CCR10 monoclonal antibody (DCABH-10868)

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

## PRODUCT INFORMATION

|                            |   |
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| <b>Antigen Description</b> | 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]). |
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|---------------------------|--|
| <b>Immunogen</b>          | A synthetic peptide of human CCR10 is used for rabbit immunization.      |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human  |
| <b>Purification</b>       | Protein A  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | Western Blot (Transfected lysate); ELISA                                 |
| <b>Buffer</b>             | In 1x PBS, pH 7.4  |
| <b>Preservative</b>       | None   |
| <b>Storage</b>            | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

# GENE INFORMATION

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|---------------------|--|
| Gene Name           | <a href="#">CCR10 chemokine (C-C motif) receptor 10 [ Homo sapiens ]</a>   |
| Official Symbol     | CCR10  |
| Synonyms            | CCR10; chemokine (C-C motif) receptor 10; G protein coupled receptor 2 , 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; GPR2;  |
| Entrez Gene ID      | <a href="#">2826</a>   |
| Protein Refseq      | <a href="#">NP_057686</a>  |
| UniProt ID          | <a href="#">P46092</a>   |
| 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. |
| Function            | C-C chemokine receptor activity; G-protein coupled receptor activity; receptor activity; signal transducer activity;   |