Chemokine C-C-Motif Receptor 10 (CCR10) ELISA Kit for Pigeon

PRODUCT OVERVIEW

Product Name	Chemokine C-C-Motif Receptor 10 (CCR10), ELISA Kit
Full Product Name	Pigeon Chemokine C-C-Motif Receptor 10 ELISA Kit
Product Gene Name	CCR10 elisa kit
Species Reactivity	Pigeon
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	9,849 Da
OMIM	603757
3D Structure	ModBase 3D Structure for P55774
Related Product Information for CCR10 elisa kit	MBS076979 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chemokine C-C-Motif Receptor 10 (CCR10) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CCR10. The ELISA analytical biochemical technique of the MBS076979 kit is based on CCR10 antibody-CCR10 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CCR10 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CCR10. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CCR10 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CCR10. It may not necessarily be applicable to this product.

NCBI GI #	4506831
NCBI GeneID	6362
NCBI Accession #	NP_002979.1
UniProt Primary Accession #	P55774
UniProt Secondary Accession #	Q53X71; B5BUM2
UniProt Related Accession #	P55774
GenBank Nucleotide #	NM_002988.2
NCBI Official Full Name	C-C motif chemokine 18
NCBI Official Synonym Full Names	chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
NCBI Official Symbol	CCL18
NCBI Official Synonym Symbols	CKb7; PARC; AMAC1; DCCK1; MIP-4; AMAC-1; DC-CK1; SCYA18
UniProt Protein Name	C-C motif chemokine 18
UniProt Synonym Protein Names	Alternative macrophage activation-associated CC chemokine 1; AMAC-1; CC chemokine PARC; Dendritic cell chemokine 1; DC-CK1; Macrophage inflammatory protein 4; MIP-4; Pulmonary and activation-regulated chemokine; Small-inducible cytokine A18

Protein Family	C-C chemokine receptor
UniProt Gene Name	CCL18
UniProt Synonym Gene Names	AMAC1; DCCK1; MIP4; PARC; SCYA18; AMAC-1; DC-CK1; MIP-4
UniProt Entry Name	CCL18_HUMAN
NCBI Protein Information	C-C motif chemokine 18; CC chemokine PARC; CC chemokine ligand 18; chemokine (C-C), dendritic; dendritic cell chemokine 1; small inducible cytokine A18; small-inducible cytokine A18; macrophage inflammatory protein 4; pulmonary and activation-regulated chemokine; alternative macrophage activation-associated CC chemokine 1; small inducible cytokine subfamily A (Cys-Cys), member 18, pulmonary and activation-regulated
NCBI Summary for CCR10	This gene is one of several Cys-Cys (CC) cytokine genes clustered on the q arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for naive T cells, CD4+ and CD8+ T cells and nonactivated lymphocytes, but not for monocytes or granulocytes. This chemokine attracts naive T lymphocytes toward dendritic cells and activated macrophages in lymph nodes. It may play a role in both humoral and cell-mediated immunity responses. [provided by RefSeq, Jul 2008]
UniProt Comments for CCR10	CCL18: Chemotactic factor that attracts lymphocytes but not monocytes or granulocytes. May be involved in B-cell migration into B-cell follicles in lymph nodes. Attracts naive T-lymphocytes toward dendritic cells and activated macrophages in lymph nodes, has chemotactic activity for naive T-cells, CD4+ and CD8+ T-cells and thus may play a role in both humoral and cell-mediated immunity responses. Belongs to the intercrine beta (chemokine CC) family. Protein type: Secreted, signal peptide; Secreted; Chemokine; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 17q12 Cellular Component: extracellular space Molecular Function: protein binding; chemokine activity Biological Process: cell-cell signaling; response to biotic stimulus; immune response; cell communication; inflammatory response; signal transduction; chemotaxis
Research Articles on CCR10	**1.** CCL18 from tumor-associated macrophages induces cancer cell epithelial-mesenchymal transition, forming a positive feedback loop, in coculture systems and humanized mice.
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