Cutaneous T-Cell Lymphocyte Associated Antigen (CTAGE) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cutaneous T-Cell Lymphocyte Associated Antigen (CTAGE), ELISA Kit
Full Product Name	Human Cutaneous T-Cell Lymphocyte Associated Antigen ELISA Kit
Product Gene Name	CTAGE elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	42,494 Da
OMIM	601835
3D Structure	ModBase 3D Structure for P51684
Related Product Information for CTAGE elisa kit	MBS034412 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cutaneous T-Cell Lymphocyte Associated Antigen (CTAGE) 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 CTAGE. The ELISA analytical biochemical technique of the MBS034412 kit is based on CTAGE antibody-CTAGE antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CTAGE antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CTAGE. 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 CTAGE 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 CTAGE. It may not necessarily be applicable to this product.

NCBI GI #	37188165
NCBI GeneID	1235
NCBI Accession #	NP_113597.2
UniProt Primary Accession #	P51684
UniProt Secondary Accession #	P78553; Q92846; E1P5C6
UniProt Related Accession #	P51684
GenBank Nucleotide #	NM_031409.3
NCBI Official Full Name	C-C chemokine receptor type 6
NCBI Official Synonym Full Names	chemokine (C-C motif) receptor 6
NCBI Official Symbol	CCR6
NCBI Official Synonym Symbols	BN-1; DCR2; DRY6; CCR-6; CD196; CKRL3; GPR29; CKR-L3; CMKBR6; GPRCY4; STRL22; CC-CKR-6; C-C CKR-6
UniProt Protein Name	C-C chemokine receptor type 6

UniProt Synonym Protein Names	Chemokine receptor-like 3; CKR-L3; DRY6; G-protein coupled receptor 29; GPR-CY4; GPRCY4; LARC receptor
UniProt Gene Name	CCR6
UniProt Synonym Gene Names	CKRL3; CMKBR6; GPR29; STRL22; C-C CKR-6; CC-CKR-6; CCR-6; CKR-L3; GPRCY4
UniProt Entry Name	CCR6_HUMAN
NCBI Protein Information	C-C chemokine receptor type 6; LARC receptor; chemokine receptor-like 3; chemokine (C-C) receptor 6; G protein-coupled receptor 29; G-protein coupled receptor 29; seven-transmembrane receptor, lymphocyte, 22
NCBI Summary for CTAGE	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. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dentritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for CTAGE	CCR6: Receptor for a C-C type chemokine. Binds to MIP-3- alpha/LARC and subsequently transduces a signal by increasing the intracellular calcium ions level. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Motility/polarity/chemotaxis; Membrane protein, integral; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 6q27 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: C-C chemokine receptor activity; chemokine receptor activity; receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; elevation of cytosolic calcium ion concentration; innate immune response; cellular defense response; dendritic cell chemotaxis; immune response; signal transduction; chemotaxis; cell motility; humoral immune response
Research Articles on CTAGE	**1.** DPP4, CDK5RAP2, and CCR6 are risk loci for rheumatoid arthritis in Han Chinese and congruence with risk variants in Europeans.
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