Chemokine C-C-Motif Receptor 7 (CCR7) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Chemokine C-C-Motif Receptor 7 (CCR7), ELISA Kit
Full Product Name	Human Chemokine C-C-Motif Receptor 7 (CCR7) ELISA Kit
Product Gene Name	CCR7 elisa kit
Product Synonym Names	CD197; CCR7; BLR2; CDw197; CMKBR7; EBI1; Epstein-Barr Virus Induced Protein 1; EBV-induced G-protein coupled receptor 1; MIP-3 beta receptor
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates and other biological fluids.
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	42,874 Da
OMIM	L08176 mRNA
3D Structure	ModBase 3D Structure for P32248
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CCR7 elisa kit	MBS454933 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 7 (CCR7) 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 CCR7. The ELISA analytical biochemical technique of the MBS454933 kit is based on CCR7 antibody-CCR7 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CCR7 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CCR7. 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 CCR7 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 CCR7. It may not necessarily be applicable to this product.

NCBI GI #	683523912
NCBI GeneID	1236
NCBI Accession #	NP_001288643.1
UniProt Primary Accession #	P32248
UniProt Related Accession #	P32248

GenBank Nucleotide #	NM_001301714.1
NCBI Official Full Name	C-C chemokine receptor type 7 isoform b
NCBI Official Synonym Full Names	C-C motif chemokine receptor 7
NCBI Official Symbol	CCR7
NCBI Official Synonym Symbols	BLR2; EBI1; CCR-7; CD197; CDw197; CMKBR7; CC-CKR-7
UniProt Protein Name	C-C chemokine receptor type 7
UniProt Synonym Protein Names	BLR2; CDw197; Epstein-Barr virus-induced G-protein coupled receptor 1; EBI1; EBV-induced G-protein coupled receptor 1; MIP-3 beta receptor; CD_antigen: CD197
Protein Family	C-C chemokine receptor
UniProt Gene Name	CCR7
UniProt Synonym Gene Names	CMKBR7; EBI1; EVI1; C-C CKR-7; CC-CKR-7; CCR-7; EBI1; EBV-induced G-protein coupled receptor 1
NCBI Protein Information	C-C chemokine receptor type 7
NCBI Summary for CCR7	The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2014]
UniProt Comments for CCR7	Receptor for the MIP-3-beta chemokine. Probable mediator of EBV effects on B-lymphocytes or of normal lymphocyte functions.
Research Articles on CCR7	**1.** Results indicated that CCR7 is overexpressed in gallbladder cancer tissues and its expression correlates with staging and lymph node metastasis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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