Cysteinyl Leukotriene Receptor 2 (CYSLTR2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cysteinyl Leukotriene Receptor 2 (CYSLTR2), ELISA Kit
Full Product Name	Human Cysteinyl Leukotriene Receptor 2 ELISA Kit
Product Gene Name	CYSLTR2 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	39,635 Da
Chromosome Location	Chromosome: 13; NC_000013.10 (49280951..49283498). Location: 13q14.2
OMIM	605666
3D Structure	ModBase 3D Structure for Q9NS75
Related Product Information for CYSLTR2 elisa kit	MBS020113 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cysteinyl Leukotriene Receptor 2 (CYSLTR2) 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 CYSLTR2. The ELISA analytical biochemical technique of the MBS020113 kit is based on CYSLTR2 antibody-CYSLTR2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CYSLTR2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CYSLTR2. 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 CYSLTR2 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 CYSLTR2. It may not necessarily be applicable to this product.

NCBI GI #	37362411
NCBI GeneID	57105
NCBI Accession #	AAQ91330.1
UniProt Primary Accession #	Q9NS75
UniProt Secondary Accession #	Q9HCQ2
UniProt Related Accession #	Q9NS75
NCBI Official Full Name	cysteinyl leukotriene receptor 2
NCBI Official Synonym Full Names	cysteinyl leukotriene receptor 2
NCBI Official Symbol	CYSLTR2
NCBI Official Synonym Symbols	HG57; CYSLT2; HPN321; CYSLT2R; KPG_011; hGPCR21; PSEC0146
UniProt Protein Name	Cysteinyl leukotriene receptor 2
UniProt Synonym Protein Names	G-protein coupled receptor GPCR21; hGPCR21; G-protein coupled receptor HG57; HPN321

Protein Family	Cysteinyl leukotriene receptor
UniProt Gene Name	CYSLTR2
UniProt Synonym Gene Names	CYSLT2; CYSLT2R; CysLTR2; hGPCR21
UniProt Entry Name	CLTR2_HUMAN
NCBI Protein Information	cysteinyl leukotriene receptor 2; G protein-coupled receptor; G-protein coupled receptor HG57; G-protein coupled receptor GPCR21; cysteinyl leukotriene CysLT2 receptor
NCBI Summary for CYSLTR2	The cysteinyl leukotrienes LTC4, LTD4, and LTE4 are important mediators of human bronchial asthma. Pharmacologic studies have determined that cysteinyl leukotrienes activate at least 2 receptors, the protein encoded by this gene and CYSLTR1. This encoded receptor is a member of the superfamily of G protein-coupled receptors. It seems to play a major role in endocrine and cardiovascular systems. [provided by RefSeq, Jul 2008]
UniProt Comments for CYSLTR2	CYSLTR2: Receptor for cysteinyl leukotrienes. The response is mediated via a G-protein that activates a phosphatidylinositol- calcium second messenger system. Stimulation by BAY u9773, a partial agonist, induces specific contractions of pulmonary veins and might also have an indirect role in the relaxation of the pulmonary vascular endothelium. The rank order of affinities for the leukotrienes is LTC4 = LTD4 >> LTE4. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 13q14.2 Cellular Component: integral to membrane; plasma membrane Molecular Function: protein binding; cysteinyl leukotriene receptor activity; leukotriene receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; positive regulation of angiogenesis; immune response
Research Articles on CYSLTR2	**1.** increased expression in tonsillar tissues of Chinese children with sleep-disordered breathing
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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