CXC-Chemokine Receptor 1 (CXCR1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	CXC-Chemokine Receptor 1 (CXCR1), ELISA Kit
Full Product Name	Human CXC-Chemokine Receptor 1 ELISA Kit
Product Gene Name	CXCR1 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	39,791 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (219027568..219031716, complement). Location: 2q35
OMIM	146929
3D Structure	ModBase 3D Structure for P25024
Related Product Information for CXCR1 elisa kit	MBS033954 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CXC-Chemokine Receptor 1 (CXCR1) 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 CXCR1. The ELISA analytical biochemical technique of the MBS033954 kit is based on CXCR1 antibody-CXCR1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CXCR1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CXCR1. 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 CXCR1 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 CXCR1. It may not necessarily be applicable to this product.

NCBI GI #	62911779
NCBI GeneID	3577
NCBI Accession #	AAY21515.1
UniProt Primary Accession #	P25024
UniProt Secondary Accession #	Q2YEF8; Q2YEG4; Q2YEG5; Q2YEG7; Q2YEG8; Q53R18; Q6IN95; Q8N6T6; Q9P2T8; Q9P2T9; B2R6Q3
UniProt Related Accession #	P25024
NCBI Official Full Name	CXCR1
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 1
NCBI Official Symbol	CXCR1
NCBI Official Synonym Symbols	C-C; CD128; CD181; CKR-1; IL8R1; IL8RA; CMKAR1; IL8RBA; CDw128a; C-C-CKR-1
UniProt Protein Name	C-X-C chemokine receptor type 1
UniProt Synonym Protein Names	CDw128a; High affinity interleukin-8 receptor A; IL-8R A; IL-8 receptor type 1

Protein Family	C-X-C chemokine receptor
UniProt Gene Name	CXCR1
UniProt Synonym Gene Names	CMKAR1; IL8RA; CXC-R1; CXCR-1; IL-8R A
UniProt Entry Name	CXCR1_HUMAN
NCBI Protein Information	C-X-C chemokine receptor type 1; CXC-R1; CXCR-1; IL-8R A; IL-8 receptor type 1; interleukin 8 receptor, alpha; interleukin-8 receptor type 1; interleukin-8 receptor type A; high affinity interleukin-8 receptor A
NCBI Summary for CXCR1	The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq, Jul 2008]
UniProt Comments for CXCR1	IL8RA: Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor. Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL-8 with a high affinity and to MGSA (GRO) with a low affinity. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; Receptor, cytokine; Membrane protein, integral; GPCR, family 1 Chromosomal Location of Human Ortholog: 2q35 Cellular Component: membrane; integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; interleukin-8 receptor activity; chemokine receptor activity; interleukin-8 binding Biological Process: G-protein coupled receptor protein signaling pathway; cell surface receptor linked signal transduction; receptor internalization; dendritic cell chemotaxis; inflammatory response; chemotaxis Disease: Human Immunodeficiency Virus Type 1, Susceptibility To
Research Articles on CXCR1	**1.** HPV 16 E6 up-regulates pro-angiogenic MMP-2 and MMP-9 through inducing IL-8 expression in lung cancer cells.
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