Chemokine Like Factor (CKLF) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Chemokine Like Factor (CKLF), ELISA Kit
Full Product Name	Mouse Chemokine Like Factor ELISA Kit
Product Gene Name	CKLF elisa kit
Species Reactivity	Mouse
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	12,888 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for CKLF elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CKLF elisa kit	MBS720307 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chemokine Like Factor (CKLF) 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 CKLF. The ELISA analytical biochemical technique of the MBS720307 kit is based on CKLF antibody-CKLF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CKLF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CKLF. 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 CKLF 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 CKLF. It may not necessarily be applicable to this product.

NCBI GI #	93141024
NCBI GeneID	51192
NCBI Accession #	NP_001035228.1
UniProt Secondary Accession #	Q9UHM7; Q9UHN8; Q9UI41; C9JE38
UniProt Related Accession #	Q9UBR5
GenBank Nucleotide #	NM_001040138.2
NCBI Official Full Name	chemokine-like factor isoform e

NCBI Official Synonym Full Names	chemokine-like factor
NCBI Official Symbol	CKLF
NCBI Official Synonym Symbols	C32; CKLF1; CKLF2; CKLF3; CKLF4; UCK-1; HSPC224
UniProt Protein Name	Chemokine-like factor
UniProt Synonym Protein Names	C32
Protein Family	Chemokine-like factor
UniProt Gene Name	CKLF
UniProt Synonym Gene Names	CKLF1; HSPC224; UNQ410/PRO772
UniProt Entry Name	CKLF_HUMAN
NCBI Protein Information	chemokine-like factor; chemokine-like factor 1; chemokine-like factor 2; chemokine-like factor 3; chemokine-like factor 4; transmembrane proteolipid
NCBI Summary for CKLF	The product of this gene is a cytokine. Cytokines are small proteins that have an essential role in the immune and inflammatory responses. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 16. The protein encoded by this gene is a potent chemoattractant for neutrophils, monocytes and lymphocytes. It also can stimulate the proliferation of skeletal muscle cells. This protein may play important roles in inflammation and in the regeneration of skeletal muscle. Alternatively spliced transcript variants encoding different isoforms have been identified. Naturally occurring read-through transcription occurs between this locus and the neighboring locus CMTM1 (CKLF-like MARVEL transmembrane domain containing 1).[provided by RefSeq, Feb 2011]
UniProt Comments for CKLF	CKLF: May play an important role in inflammation and regeneration of skeletal muscle. Partly inhibited by interleukin 10. Belongs to the chemokine-like factor family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Chemokine; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 16q21 Cellular Component: extracellular space; membrane; integral to membrane; extracellular region Molecular Function: chemokine activity Biological Process: cell proliferation; neutrophil chemotaxis; lymphocyte chemotaxis; macrophage chemotaxis; secretion by cell
Research Articles on CKLF	**1.** Chemokine-like factor 1 is over-expressed in patients with atopic dermatitis.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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