Chemokine Like Factor Superfamily 8 (CKLFSF8) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Chemokine Like Factor Superfamily 8 (CKLFSF8), ELISA Kit
Full Product Name	Human Chemokine Like Factor Superfamily 8 ELISA Kit
Product Gene Name	CKLFSF8 elisa kit
Species Reactivity	Human
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	12,739 Da
OMIM	607891
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 CKLFSF8 elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CKLFSF8 elisa kit	MBS728837 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Chemokine Like Factor Superfamily 8 (CKLFSF8) 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 CKLFSF8. The ELISA analytical biochemical technique of the MBS728837 kit is based on CKLFSF8 antibody-CKLFSF8 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CKLFSF8 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CKLFSF8. 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 CKLFSF8 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 CKLFSF8. It may not necessarily be applicable to this product.

NCBI GI #	32130536
NCBI GeneID	152189
NCBI Accession #	NP_849199.2
UniProt Secondary Accession #	Q8IW01; A5D6I7
UniProt Related Accession #	Q8IZV2

GenBank Nucleotide #	NM_178868.3
NCBI Official Full Name	CKLF-like MARVEL transmembrane domain-containing protein 8
NCBI Official Synonym Full Names	CKLF-like MARVEL transmembrane domain containing 8
NCBI Official Symbol	CMTM8
NCBI Official Synonym Symbols	CKLFSF8; CKLFSF8-V2
UniProt Protein Name	CKLF-like MARVEL transmembrane domain-containing protein 8
UniProt Synonym Protein Names	Chemokine-like factor superfamily member 8
UniProt Gene Name	CMTM8
UniProt Synonym Gene Names	CKLFSF8
UniProt Entry Name	CKLF8_HUMAN
NCBI Protein Information	CKLF-like MARVEL transmembrane domain-containing protein 8; chemokine-like factor superfamily 8; chemokine-like factor super family 8; chemokine-like factor superfamily member 8
NCBI Summary for CKLFSF8	This gene belongs to the chemokine-like factor gene superfamily, a novel family that is similar to the chemokine and the transmembrane 4 superfamilies. This gene is one of several chemokine-like factor genes located in a cluster on chromosome 3. This gene is widely expressed in many tissues, but the exact function of the encoded protein is unknown. [provided by RefSeq, Jul 2008]
UniProt Comments for CKLFSF8	CMTM8: a widely distributed protein with four transmembrane regions and a MARVEL domain. Associates with the epidermal growth factor receptor. Transfection into several cell lines suppresses EGF-induced cell proliferation and increases the rate of receptor endocytosis. The lack of EGFR-mediated signaling induces cells to undergo apoptosis via caspase-dependent and -independent pathways. Knockdown of CMTM8 by siRNA promotes cell proliferation and delayed EGFR endocytosis. Two splice-variant human isoforms have been reproted. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 3p22.3 Cellular Component: extracellular space; cytoplasm; integral to membrane; nucleus Molecular Function: cytokine activity Biological Process: chemotaxis
Research Articles on CKLFSF8	**1.** Down-regulation of CMTM8 also promoted an epithelial mesenchymal transition-like change in MCF-10A cells, indicating a broader role for CMTM8 in regulating cellular transformation.
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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