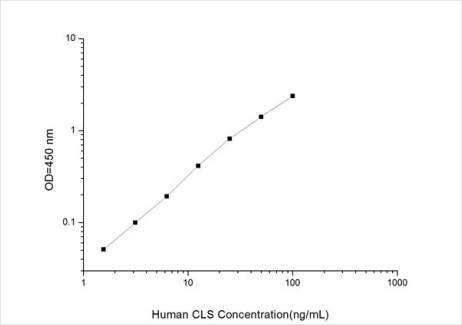
CLS ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	CLS, ELISA Kit
Full Product Name	Human CLS (Cardiolipin Synthase) ELISA Kit
Product Gene Name	CLS elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	1.563-100ng/mL
Sensitivity	Min: 0.938ng/mL; Max: 100ng/mL
Specificity	This kit recognizes natural and recombinant Human CLS. No significant cross-reactivity or interference between Human CLS and analogues was observed.
Preparation and Storage	Store at 4 degree C.
Molecular Weight	56,155 Da
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CLS elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CLS concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to CLS. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for CLS and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain CLS, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of CLS. You can calculate the concentration of CLS in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of CLS 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.
Searchable Terms for CLS purchase	MBS2507434 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CLS, 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 CLS. The ELISA analytical biochemical technique of the MBS2507434 kit is based on CLS antibody-CLS antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CLS antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CLS. 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(%).



Typical Testing Data/Standard Curve (for reference only) of CLS elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLS. It may not necessarily be applicable to this product.

NCBI GI #	223690444
NCBI Accession #	ACN13727.1
NCBI Official Full Name	Cls
UniProt Protein Name	Cls
UniProt Synonym Protein Names	Cls
Protein Family	Cardiolipin synthase
UniProt Gene Name	cls
UniProt Entry Name	C0QIT7_DESAH
UniProt Comments for CLS	Catalyzes the reversible phosphatidyl group transfer from one phosphatidylglycerol molecule to another to form cardiolipin (CL) (diphosphatidylglycerol) and glycerol.
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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