

Human Cardiolipin synthase ELISA Kit | CRLS1 elisa kit

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CATALOG #
AAA190706

REACTIVITY
Human

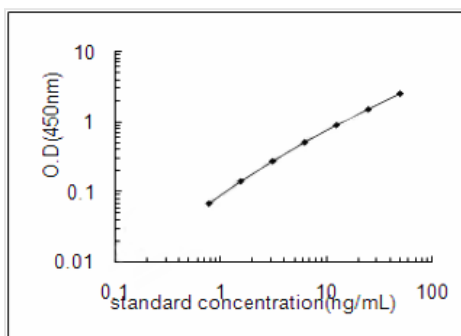
PRODUCT SYNONYMS

Cardiolipin synthase; Human Cardiolipin synthase ELISA Kit; CLS; Protein GCD10 homolog; CRLS1; C20orf155; CLS1; CRLS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human CLS. No significant cross-reactivity or interference was observed.
Sequence Length	202
Assay Type	Sandwich
Detection Range	0.78-50 ng/mL
Sensitivity	0.35ng/mL
Intra-Assay CV	<=4.5%
Inter-Assay CV	<=9.1%
Recovery	98%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRLS1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human cardiolipin synthase,CLS concentrations in serum, Plasma, Urine, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CLS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for CLS and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain CLS, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of CLS in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188536108
NCBI GeneID	54675
NCBI Accession #	NP_001120930.1
NCBI GenBank Nucleotide #	NM_001127458.1
UniProt Accession #	Q9UJA2; Q27RP0; Q69YQ5; D3DW09; E9PAT4
Molecular Weight	22,584 Da
NCBI Official Full Name	cardiolipin synthase (CMP-forming) isoform 2
NCBI Official Synonym Full Names	cardiolipin synthase 1
NCBI Official Symbol	CRLS1
NCBI Official Synonym Symbols	CLS; CLS1; GCD10; C20orf155; dJ967N21.6
NCBI Protein Information	cardiolipin synthase (CMP-forming)
UniProt Protein Name	Cardiolipin synthase (CMP-forming)
UniProt Gene Name	CRLS1
UniProt Synonym Gene Names	C20orf155; CLS1; CLS
UniProt Entry Name	CRLS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.