

Rat Cardiolipin Synthase ELISA Kit | CLS elisa kit

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CATALOG #
AAA85573

REACTIVITY
Rat

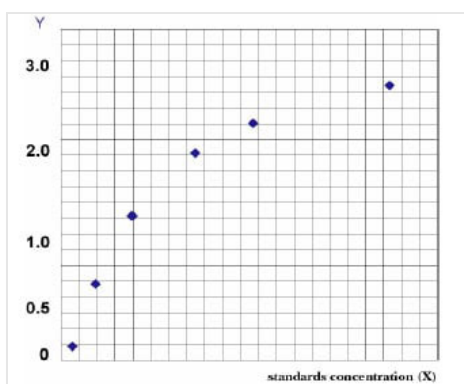
PRODUCT SYNONYMS

Cardiolipin Synthase; Rat Cardiolipin Synthase ELISA Kit; CLS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLS elisa kit

Intended Uses: This CLS ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CLS in the sample, this CLS ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CLS concentration. The concentration of CLS in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This CLS enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for CLS. Standards or samples are then added to the microtiter plate wells and CLS if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CLS present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CLS are added to each well to "sandwich" the CLS immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CLS and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223690444
NCBI GeneID	7500015
Molecular Weight	56,155 Da
NCBI Official Full Name	ClS
NCBI Official Symbol	cls
NCBI Protein Information	cardiolipin synthetase Cls (Cardiolipin synthase) (CL synthase); hypothetical protein
UniProt Protein Name	ClS
UniProt Gene Name	cls
UniProt Synonym Gene Names	HRM2_06130
UniProt Entry Name	C0QIT7_DESAH

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.

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Online datasheet: <https://stage.aaabiotech.com/cls-rat-elisa-kits/cardiolipin-synthase/85573>