

Rat Colipase (CLPS) ELISA Kit | CLPS elisa kit

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CATALOG #
AAA246959

REACTIVITY
Rat

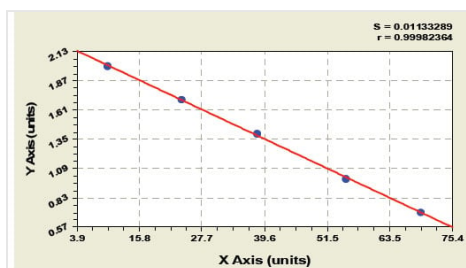
PRODUCT SYNONYMS

Colipase (CLPS); Rat Colipase (CLPS) ELISA Kit; CLPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CLPS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CLPS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLPS elisa kit

Principle of the assay: CLPS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CLPS antibody and an CLPS-HRP conjugate. The assay sample and buffer are incubated together with CLPS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CLPS concentration since CLPS from samples and CLPS-HRP conjugate compete for the anti-CLPS antibody binding site. Since the number of sites is limited, as more sites are occupied by CLPS from the sample, fewer sites are left to bind CLPS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CLPS concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

180886

NCBI GeneID	1208
Molecular Weight	11,954 Da
NCBI Official Full Name	colipase
NCBI Official Synonym Full Names	colipase, pancreatic
NCBI Official Symbol	CLPS
NCBI Protein Information	colipase; pancreatic colipase preproprotein
UniProt Protein Name	Colipase
UniProt Gene Name	CLPS
UniProt Entry Name	COL_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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/colipase-clps/246959>