

Mouse Charcot Leyden Crystal Protein (CLC) ELISA Kit | CLC elisa kit

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CATALOG #
AAA66444

REACTIVITY
Mouse

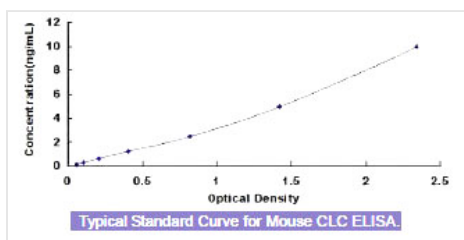
PRODUCT SYNONYMS

Charcot Leyden Crystal Protein (CLC); Mouse Charcot Leyden Crystal Protein (CLC) ELISA Kit; LGALS10; LPPL; Eosinophil Lysophospholipase; Lysolecithin Acylhydrolase; Galectin 10; CLC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CLC. No significant cross-reactivity or interference between CLC and analogues was observed.
Sequence Length	68
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.044ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CLC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CLC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CLC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CLC in mouse serum, plasma, tissue homogenates, cell lysates, 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 CLC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CLC. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CLC, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CLC 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 #	2829838
NCBI GeneID	12735
UniProt Accession #	P97400
Molecular Weight	8,037 Da
NCBI Official Full Name	Galectin-10
NCBI Official Synonym Full Names	Charcot-Leyden crystal protein
NCBI Official Symbol	Clc
NCBI Official Synonym Symbols	Clcp; gal-10
NCBI Protein Information	galectin-10
UniProt Protein Name	Galectin-10
UniProt Gene Name	Clc
UniProt Synonym Gene Names	Clcp; Gal-10; CLC

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/charcot-leyden-crystal-protein-clc/66444>