

Mouse Acly (ATP-citRate synthase) ELISA Kit | Acly elisa kit

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CATALOG #
AAA277821

REACTIVITY
Mouse

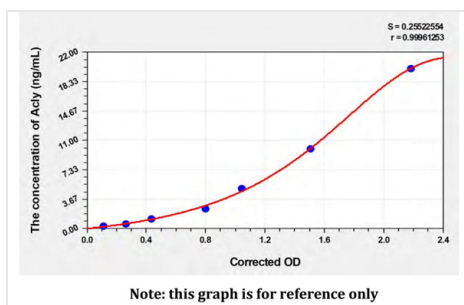
PRODUCT SYNONYMS

Acly (ATP-citRate synthase); Mouse Acly (ATP-citRate synthase) ELISA Kit; ACL; ACLY; ATP citrate (pro S) lyase; ATP citrate lyase; ATP citrate synthase; ATPCL; Citrate cleavage enzyme; CLATP; Acly elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse Acly. No significant cross-reactivity or interference between Mouse Acly and analogues was observed.
Assay Type	Sandwich
Detection Range	0.32-20 ng/mL
Sensitivity	0.266 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Acly elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mouse Acly. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Mouse Acly. 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 Mouse Acly, 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 Mouse Acly in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	313151222
NCBI GeneID	104112
NCBI Accession #	NP_001186225.1
NCBI GenBank Nucleotide #	NM_001199296.1
UniProt Accession #	Q91V92
Molecular Weight	119,728 Da
NCBI Official Full Name	ATP-citrate synthase isoform 1
NCBI Official Synonym Full Names	ATP citrate lyase
NCBI Official Symbol	Acly
NCBI Official Synonym Symbols	AW538652; A730098H14Rik
NCBI Protein Information	ATP-citrate synthase; citrate cleavage enzyme; ATP-citrate (pro-S-)-lyase
UniProt Protein Name	ATP-citrate synthase
UniProt Gene Name	Acly
UniProt Entry Name	ACLY_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/acly-atp-citrate-synthase/277821>