

Mouse Aconitase 1 ELISA Kit | ACO1 elisa kit

Mouse Aconitase 1 (ACO1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189984

REACTIVITY
Mouse

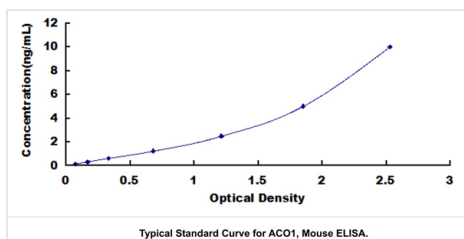
PRODUCT SYNONYMS

Aconitase 1; Mouse Aconitase 1 (ACO1) (Sandwich ELISA) ELISA Kit; IREB1; IRP1; IREBP; Iron regulatory protein 1; Iron-responsive element-binding protein 1; Cytoplasmic aconitate hydratase; Citrate hydro-lyase; Ferritin repressor protein; ELISA Kit for Aconitase 1 (ACO1); ACO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ACO1. No significant cross-reactivity or interference between ACO1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ACO1 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 ACO1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACO1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ACO1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ACO1. 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 ACO1, 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 ACO1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ACO1 in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for ACO1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	110347487
NCBI GeneID	11428
NCBI Accession #	NP_031412.2
NCBI GenBank Nucleotide #	NM_007386.2
UniProt Accession #	P28271; Q3TQ15; Q99K54
Molecular Weight	98,126 Da
NCBI Official Full Name	cytoplasmic aconitate hydratase
NCBI Official Synonym Full Names	aconitase 1
NCBI Official Symbol	Aco1
NCBI Official Synonym Symbols	Irp1; Aco-1; Irebp
NCBI Protein Information	cytoplasmic aconitate hydratase; IRE-BP 1; citrate hydro-lyase; cytoplasmic aconitase; iron regulatory protein 1; iron-responsive element-binding protein 1
UniProt Protein Name	Cytoplasmic aconitate hydratase
UniProt Gene Name	Aco1
UniProt Synonym Gene Names	Ireb1; Irebp; Aconitase; IRP1; IRE-BP 1
UniProt Entry Name	ACOC_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://stage.aaabiotech.com/aco1-mouse-elisa-kits/aconitase-1/189984>