

Human Aconitase 1 (ACO1) ELISA Kit | ACO1 elisa kit

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CATALOG #
AAA138191

REACTIVITY
Human

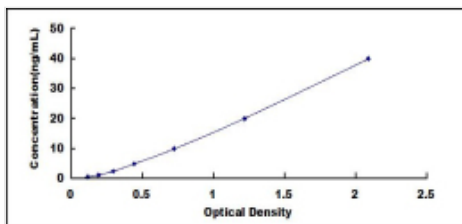
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Aconitase 1 (ACO1). No significant cross-reactivity or interference between Aconitase 1 (ACO1) and analogues was observed.
Sequence Length	900
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.247ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Aconitase 1 (ACO1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Aconitase 1 (ACO1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACO1 elisa kit	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 Aconitase 1 (ACO1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Aconitase 1 (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 Aconitase 1 (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 Aconitase 1 (ACO1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ACO1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	508698858
NCBI GeneID	18610706
Molecular Weight	98,207 Da
NCBI Official Full Name	Aconitase 1
NCBI Official Symbol	TCM_000133
NCBI Protein Information	Aconitase 1
UniProt Protein Name	Aconitate hydratase
UniProt Gene Name	TCM_000133
UniProt Synonym Gene Names	Aconitase
UniProt Entry Name	A0A061DF56_THECC

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/human-elisa-kits/acnitase-1-ac01/138191>