

Human ACO2 (Aconitase 2) ELISA Kit | ACO2 elisa kit

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CATALOG #
AAA249358

REACTIVITY
Human

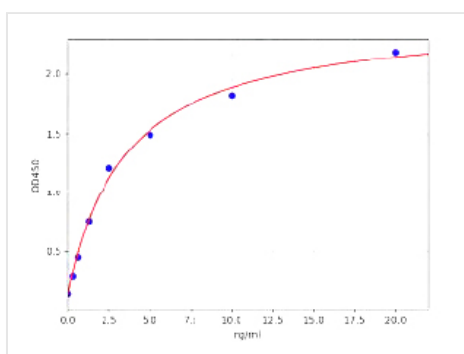
PRODUCT SYNONYMS

ACO2 (Aconitase 2); Human ACO2 (Aconitase 2) ELISA Kit; ACO2; Aconitase; aconitase 2; mitochondrial; ACONM; CitRate hydro lyase; ACO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ACO2. No significant cross-reactivity or interference between ACO2 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACO2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6686275
NCBI GeneID	50
UniProt Accession #	Q99798; O75809; Q5JZ41; Q6FHX0; Q8TAQ6
Molecular Weight	780
NCBI Official Full Name	Aconitate hydratase, mitochondrial
NCBI Official Synonym Full Names	aconitase 2, mitochondrial
NCBI Official Symbol	ACO2
NCBI Official Synonym Symbols	ICRD; ACONM
NCBI Protein Information	aconitate hydratase, mitochondrial; citrate hydro-lyase
UniProt Protein Name	Aconitate hydratase, mitochondrial
UniProt Gene Name	ACO2
UniProt Synonym Gene Names	Aconitase
UniProt Entry Name	ACON_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/human-elisa-kits/aco2-aconitase-2/249358>