

Human ACO-2 ELISA Kit | ACO-2 elisa kit

Human ACO-2 (Aconitase 2) ELISA Kit

CATALOG #
AAA163611

REACTIVITY
Human

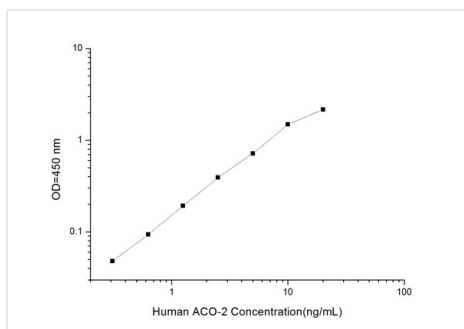
PRODUCT SYNONYMS

ACO-2; Human ACO-2 (Aconitase 2) ELISA Kit; ACO-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant Human ACO-2. No significant cross-reactivity or interference between Human ACO-2 and analogues was observed.
Sequence Length	780
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL
Sensitivity	Min: 0.188ng/mL; Max: 20ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACO-2 elisa kit	Intended Uses: This ELISA kit applies to the invitro quantitative determination of HumanACO-2concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to ACO-2. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for ACO-2and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain ACO-2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of ACO-2.You can calculate the concentration of ACO-2in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18079339
NCBI GeneID	11429
NCBI Accession #	NP_542364.1
NCBI GenBank Nucleotide #	NM_080633.2
UniProt Accession #	Q99KI0; Q3UDK9; Q3ULG9; Q3UNH7; Q505P4
Molecular Weight	85,464 Da
NCBI Official Full Name	aconitate hydratase, mitochondrial
NCBI Official Synonym Full Names	aconitase 2, mitochondrial
NCBI Official Symbol	Aco2
NCBI Official Synonym Symbols	Aco3; Aco-2; D10Wsu183e
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_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.