

Canine Aconitase 2 ELISA Kit | ACO-2 elisa kit

Canine Aconitase 2 ELISA Kit

CATALOG #
AAA95250

REACTIVITY
Canine

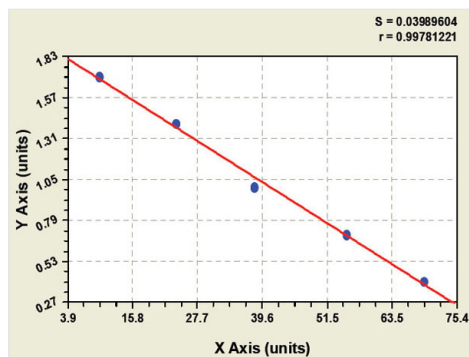
PRODUCT SYNONYMS

Aconitase 2; Canine Aconitase 2 ELISA Kit; ACO-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ACO-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACO-2. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACO-2 elisa kit	Principle of the Assay: ACO-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACO-2 antibody and an ACO-2-HRP conjugate. The assay sample and buffer are incubated together with ACO-2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACO-2 concentration since ACO-2 from samples and ACO-2-HRP conjugate compete for the anti-ACO-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACO-2 from the sample, fewer sites are left to bind ACO-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACO-2 concentration in each sample is interpolated from this 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
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.