

Canine Aldehyde oxidase (AOX1) ELISA Kit | AOX1 elisa kit

Canine Aldehyde oxidase (AOX1) ELISA Kit

CATALOG #
AAA245036

REACTIVITY
Canine

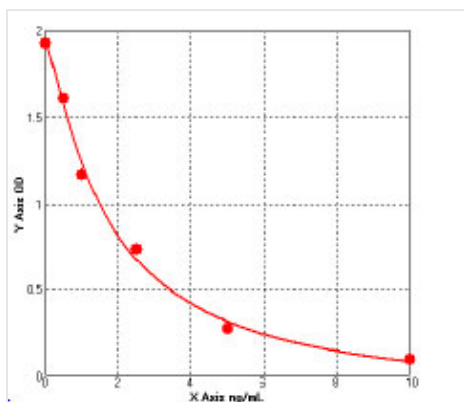
PRODUCT SYNONYMS

Aldehyde oxidase (AOX1); Canine Aldehyde oxidase (AOX1) ELISA Kit; AOX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of AOX1. No significant cross-reactivity or interference between AOX1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AOX1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AOX1 elisa kit	Intended Uses: This AOX1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AOX1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AOX1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-AOX1 antibody and an AOX1-HRP conjugate. The assay sample and buffer are incubated together with AOX1-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 AOX1 concentration since AOX1 from samples and AOX1-HRP conjugate compete for the anti-AOX1 antibody binding site. Since the number of sites is limited, as more sites are occupied by AOX1 from the sample, fewer sites are left to bind AOX1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AOX1 concentration in each sample is interpolated from this standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	71773480
NCBI GeneID	316
NCBI Accession #	NP_001150.3
NCBI GenBank Nucleotide #	NM_001159.3
Molecular Weight	147,918 Da
NCBI Official Full Name	aldehyde oxidase
NCBI Official Synonym Full Names	aldehyde oxidase 1
NCBI Official Symbol	AOX1
NCBI Official Synonym Symbols	AO; AOH1
NCBI Protein Information	aldehyde oxidase; azaheterocycle hydroxylase
UniProt Protein Name	Aldehyde oxidase
UniProt Gene Name	AOX1
UniProt Synonym Gene Names	AO
UniProt Entry Name	AOXA_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.