

Canine Heme Oxygenase 2, Decycling ELISA Kit | HO2 elisa kit

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CATALOG #
AAA89375

REACTIVITY
Canine

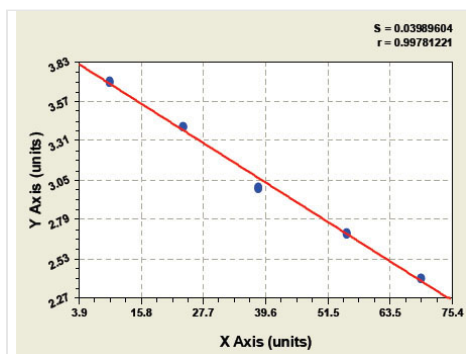
PRODUCT SYNONYMS

Heme Oxygenase 2; Decycling; Canine Heme Oxygenase 2; Decycling ELISA Kit; HO2 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HO2 elisa kit

Principle of the Assay: HO2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HO2 antibody and an HO2-HRP conjugate. The assay sample and buffer are incubated together with HO2-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 HO2 concentration since HO2 from samples and HO2-HRP conjugate compete for the anti-HO2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HO2 from the sample, fewer sites are left to bind HO2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HO2 concentration in each sample is interpolated from this standard curve.

Intended Uses: This HO2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine HO2. This ELISA kit for research use only!

NCBI AND UNIPROT INFORMATION

NCBI GI #	334184489
NCBI GeneID	817196
NCBI Accession #	NP_001189611.1
NCBI GenBank Nucleotide #	NM_001202682.1
Molecular Weight	34,902 Da
NCBI Official Full Name	heme oxygenase 2
NCBI Official Symbol	HO2
NCBI Official Synonym Symbols	heme oxygenase 2; HO2; T9J22.22; T9J22_22
NCBI Protein Information	heme oxygenase 2
UniProt Protein Name	Probable inactive heme oxygenase 2, chloroplastic
UniProt Gene Name	HO2
UniProt Synonym Gene Names	At2g26550; T9J22.22; AtHO2
UniProt Entry Name	HMOX2_ARATH

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/ho2-canine-elisa-kits/heme-oxygenase-2-decycling/89375>