

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

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CATALOG #
AAA84768

REACTIVITY
Rat

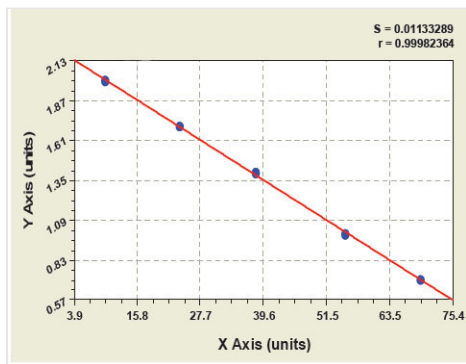
PRODUCT SYNONYMS

Heme Oxygenase 2; Decycling; Rat Heme Oxygenase 2; Decycling ELISA Kit; HO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 U/L
Sensitivity	1.0 U/L
Intended Uses	This HO2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat HO2. This ELISA kit for research use only, not for therapeutic applications!
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.

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-rat-elisa-kits/heme-oxygenase-2-decycling/84768>