

Rat heme oxygenase 2 ELISA Kit | HO-2 elisa kit

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CATALOG #
AAA100364

REACTIVITY
Rat

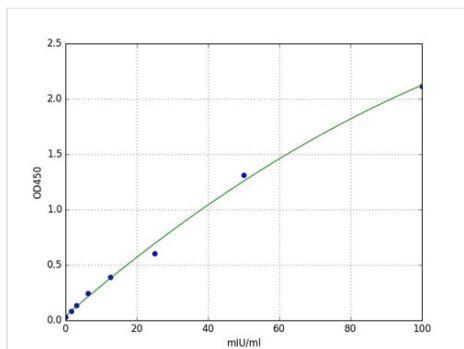
PRODUCT SYNONYMS

heme oxygenase 2; Rat heme oxygenase 2 ELISA Kit; HO-2/HMOX2/heme oxygenase (decycling) 2/heme oxygenase 2/HO2/HO-2; HO-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	315
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100mIU/ml
Sensitivity	0.938mIU/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat HO-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	mIU/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.140	0.197	0.227	0.318	0.530	0.952	1.472	2.128

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HO-2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat HO-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat HO-2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat HO-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat HO-2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

225007593

NCBI GeneID	15369
NCBI Accession #	NP_034573.2
NCBI GenBank Nucleotide #	NM_010443.2
Molecular Weight	35,739 Da
NCBI Official Full Name	heme oxygenase 2
NCBI Official Synonym Full Names	heme oxygenase 2
NCBI Official Symbol	Hmox2
NCBI Official Synonym Symbols	HO2; HO-2
NCBI Protein Information	heme oxygenase 2
UniProt Protein Name	Heme oxygenase 2
UniProt Gene Name	Hmox2
UniProt Synonym Gene Names	HO-2
UniProt Entry Name	HMOX2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ho-2-rat-elisa-kits/heme-oxygenase-2/100364>