

Rat Dual oxidase 2 (DUOX2) ELISA Kit | DUOX2 elisa kit

Rat Dual oxidase 2 (DUOX2) ELISA Kit

CATALOG #
AAA244320

REACTIVITY
Rat

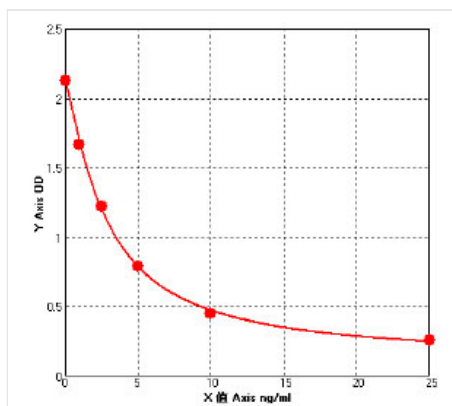
PRODUCT SYNONYMS

Dual oxidase 2 (DUOX2); Rat Dual oxidase 2 (DUOX2) ELISA Kit; DUOX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DUOX2. No significant cross-reactivity or interference between DUOX2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DUOX2 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 DUOX2 elisa kit	Intended Uses: This DUOX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DUOX2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DUOX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DUOX2 antibody and an DUOX2-HRP conjugate. The assay sample and buffer are incubated together with DUOX2-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 DUOX2 concentration since DUOX2 from samples and DUOX2-HRP conjugate compete for the anti-DUOX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DUOX2 from the sample, fewer sites are left to bind DUOX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DUOX2 concentration in each sample is interpolated from this standard curve.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	51889718
NCBI GeneID	397060
NCBI Accession #	NP_999164.2
NCBI GenBank Nucleotide #	NM_213999.2
Molecular Weight	175,284 Da
NCBI Official Full Name	dual oxidase 2
NCBI Official Symbol	DUOX2
NCBI Protein Information	dual oxidase 2; NADH/NADPH thyroid oxidase p138-tox
UniProt Protein Name	Dual oxidase 2
UniProt Gene Name	DUOX2
UniProt Entry Name	DUOX2_PIG

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/rat-elisa-kits/dual-oxidase-2-duox2/244320>