

Human Dual oxidase 2 ELISA Kit | DUOX2 elisa kit

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CATALOG #
AAA98395

REACTIVITY
Human

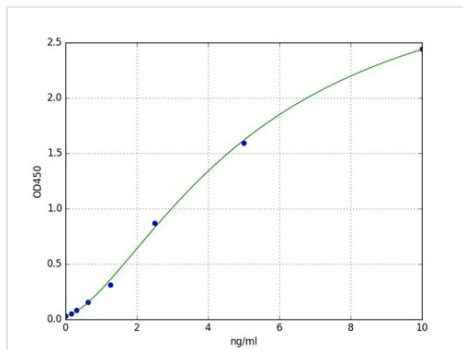
PRODUCT SYNONYMS

Dual oxidase 2; Human Dual oxidase 2 ELISA Kit; DUOX2/Thyroid oxidase 2/NADPH thyroid oxidase 2/NADPH oxidase/peroxidase DUOX2/NADH/NADPH thyroid oxidase p138-tox/p138 thyroid oxidase/Large NOX 2/Long NOX 2/LNOX2/THOX2; DUOX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1548
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Human DUOX2 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	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.053	0.110	0.209	0.272	0.466	0.847	1.563	2.381

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DUOX2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human DUOX2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human DUOX2 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 Human DUOX2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human DUOX2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119597694
NCBI GeneID	50506
Molecular Weight	175,364 Da
NCBI Official Full Name	dual oxidase 2
NCBI Official Synonym Full Names	dual oxidase 2
NCBI Official Symbol	DUOX2
NCBI Official Synonym Symbols	TDH6; LNOX2; THOX2; NOXEF2; P138-TOX
NCBI Protein Information	dual oxidase 2
UniProt Protein Name	Dual oxidase 2
UniProt Gene Name	DUOX2
UniProt Synonym Gene Names	LNOX2; THOX2
UniProt Entry Name	DUOX2_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.

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Online datasheet: <https://stage.aaabiotech.com/duox2-human-elisa-kits/dual-oxidase-2/98395>