

Rabbit Trimethylamine-N-oxide Reductase ELISA Kit | TMAO elisa kit

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CATALOG #
AAA247386

REACTIVITY
Rabbit

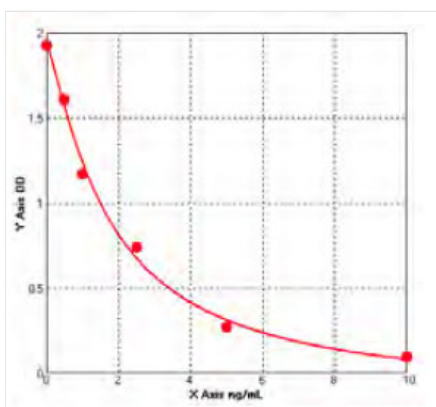
PRODUCT SYNONYMS

Trimethylamine-N-oxide Reductase; Rabbit Trimethylamine-N-oxide Reductase ELISA Kit; TMAO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of TOR. No significant cross-reactivity or interference between TOR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TOR and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	829
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMAO elisa kit	Intended Uses: This TOR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RabbitTOR. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TOR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TOR antibody and an TOR-HRP conjugate. The assay sample and buffer are incubated together with TOR-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 TOR concentration since TOR from samples and TOR-HRP conjugate compete for the anti-TOR antibody binding site. Since the number of sites is limited, as more sites are occupied by TOR from the sample, fewer sites are left to bind TOR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TOR concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4007806
UniProt Accession #	O86914
Molecular Weight	92,593 Da
NCBI Official Full Name	trimethylamine-N-oxide reductase
UniProt Protein Name	Trimethylamine-N-oxide reductase
UniProt Gene Name	torA

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/tmao-rabbit-elisa-kits/trimethylamine-n-oxide-reductase/247386>