

## Mouse Trimethylamine-N-oxide Reductase ELISA Kit | TMAO elisa kit

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CATALOG #  
**AAA27438**

REACTIVITY  
**Mouse**

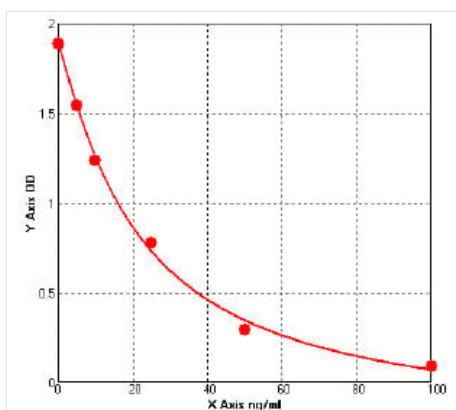
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                   |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                            |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | Store at 2-8 degree C.<br>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 | <p>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.</p> <p>Intended Uses: This TOR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TOR. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
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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://www.aaabiotech.com/tmao-mouse-elisa-kits/trimethylamine-n-oxide-reductase/27438>