

# Human Mitochondrial import inner membrane translocase subunit Tim8 A (TIMM8A) ELISA Kit | TIMM8A elisa kit

Human Mitochondrial import inner membrane translocase subunit Tim8 A (TIMM8A) ELISA Kit

CATALOG #  
**AAA244882**

REACTIVITY  
**Human**

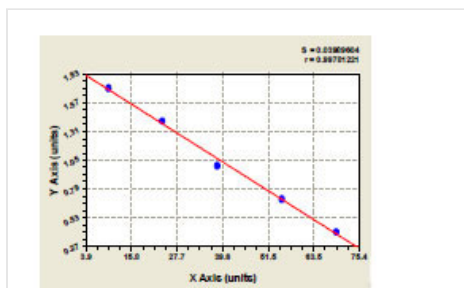
## PRODUCT SYNONYMS

Mitochondrial import inner membrane translocase subunit Tim8 A (TIMM8A); Human Mitochondrial import inner membrane translocase subunit Tim8 A (TIMM8A) ELISA Kit; TIMM8A elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 0.5-10ng/mL                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for TIMM8A elisa kit

**Intended Uses:** This TIMM8A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TIMM8A. This ELISA kit for research use only!

**Principle of the Assay:** TIMM8A ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TIMM8A antibody and an TIMM8A-HRP conjugate. The assay sample and buffer are incubated together with TIMM8A-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 TIMM8A concentration since TIMM8A from samples and TIMM8A-HRP conjugate compete for the anti-TIMM8A antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMM8A from the sample, fewer sites are left to bind TIMM8A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMM8A concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 225543159                                                                                                                                                  |
| NCBI GeneID                      | 1678                                                                                                                                                       |
| NCBI Accession #                 | NP_001139423.1                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001145951.1                                                                                                                                             |
| Molecular Weight                 | 10,998 Da                                                                                                                                                  |
| NCBI Official Full Name          | mitochondrial import inner membrane translocase subunit Tim8 A isoform 2                                                                                   |
| NCBI Official Synonym Full Names | translocase of inner mitochondrial membrane 8 homolog A (yeast)                                                                                            |
| NCBI Official Symbol             | TIMM8A                                                                                                                                                     |
| NCBI Official Synonym Symbols    | DDP; MTS; DDP1; DFN1; TIM8                                                                                                                                 |
| NCBI Protein Information         | mitochondrial import inner membrane translocase subunit Tim8 A; deafness/dystonia peptide; deafness dystonia protein 1; X-linked deafness dystonia protein |
| UniProt Protein Name             | Mitochondrial import inner membrane translocase subunit Tim8 A                                                                                             |
| UniProt Gene Name                | <b>TIMM8A</b>                                                                                                                                              |
| UniProt Synonym Gene Names       | DDP; DDP1; TIM8A                                                                                                                                           |
| UniProt Entry Name               | TIM8A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/mitochondrial-import-inner-membrane-translocase-subunit-tim8-a-timm8a/244882>