

Human Mitochondrial import inner membrane translocase subunit TIM14 (TIMM14) ELISA Kit | TIMM14 elisa kit

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CATALOG # AAA246542	REACTIVITY Human
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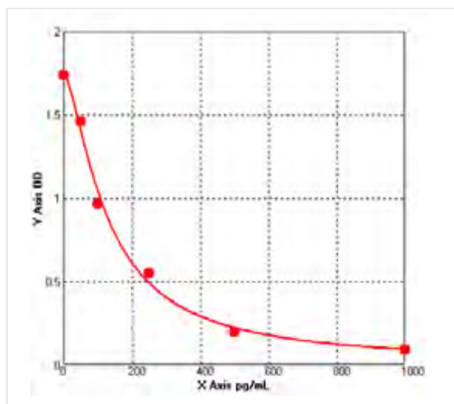
PRODUCT SYNONYMS

Mitochondrial import inner membrane translocase subunit TIM14 (TIMM14); Human Mitochondrial import inner membrane translocase subunit TIM14 (TIMM14) ELISA Kit; TIMM14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TIMM14. No significant cross-reactivity or interference between TIMM14 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TIMM14 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMM14 elisa kit	Principle of the Assay: TIMM14 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TIMM14 antibody and an TIMM14-HRP conjugate. The assay sample and buffer are incubated together with TIMM14-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 TIMM14 concentration since TIMM14 from samples and TIMM14-HRP conjugate compete for the anti-TIMM14 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMM14 from the sample, fewer sites are left to bind TIMM14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMM14 concentration in each sample is interpolated from this standard curve. Intended Uses: This TIMM14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TIMM14. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for TIMM14 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	298231213
NCBI GeneID	131118
NCBI Accession #	NP_001177162.1
NCBI GenBank Nucleotide #	NM_001190233.1
Molecular Weight	10,079 Da
NCBI Official Full Name	mitochondrial import inner membrane translocase subunit TIM14 isoform 2
NCBI Official Synonym Full Names	DnaJ (Hsp40) homolog, subfamily C, member 19
NCBI Official Symbol	DNAJC19
NCBI Official Synonym Symbols	PAM18; TIM14; TIMM14
NCBI Protein Information	mitochondrial import inner membrane translocase subunit TIM14; homolog of yeast TIM14
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit TIM14
UniProt Gene Name	DNAJC19
UniProt Synonym Gene Names	TIM14; TIMM14
UniProt Entry Name	TIM14_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/human-elisa-kits/mitochondrial-import-inner-membrane-translocase-subunit-tim14-timm14/246542>