

Human Mitochondrial import receptor subunit TOM34 (TOMM34) ELISA Kit | TOMM34 elisa kit

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CATALOG # AAA246329	REACTIVITY Human
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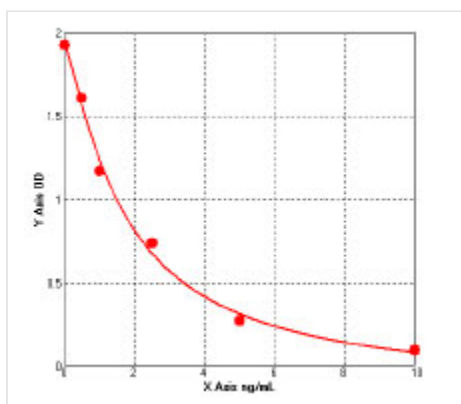
PRODUCT SYNONYMS

Mitochondrial import receptor subunit TOM34 (TOMM34); Human Mitochondrial import receptor subunit TOM34 (TOMM34) ELISA Kit; TOMM34 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TOMM-34. No significant cross-reactivity or interference between TOMM-34 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TOMM-34 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	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TOMM34 elisa kit	Principle of the Assay: TOMM-34 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TOMM-34 antibody and an TOMM-34-HRP conjugate. The assay sample and buffer are incubated together with TOMM-34-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 TOMM-34 concentration since TOMM-34 from samples and TOMM-34-HRP conjugate compete for the anti-TOMM-34 antibody binding site. Since the number of sites is limited, as more sites are occupied by TOMM-34 from the sample, fewer sites are left to bind TOMM-34-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TOMM-34 concentration in each sample is interpolated from this standard curve. Intended Uses: This TOMM-34 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TOMM-34. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for TOMM34 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361356
NCBI GeneID	10953
NCBI Accession #	NP_006800.2
NCBI GenBank Nucleotide #	NM_006809.4
Molecular Weight	34,559 Da
NCBI Official Full Name	mitochondrial import receptor subunit TOM34
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 34
NCBI Official Symbol	TOMM34
NCBI Official Synonym Symbols	TOM34; URCC3; HTOM34P
NCBI Protein Information	mitochondrial import receptor subunit TOM34; hTom34; translocase of outer membrane 34 kDa subunit; outer mitochondrial membrane translocase (34kD)
UniProt Protein Name	Mitochondrial import receptor subunit TOM34
UniProt Gene Name	TOMM34
UniProt Synonym Gene Names	URCC3; hTom34
UniProt Entry Name	TOM34_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-receptor-subunit-tom34-tomm34/246329>