

Human Mitochondrial import receptor subunit TOM22 homolog (TOMM22) ELISA Kit | TOMM22 elisa kit

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CATALOG # AAA27205	REACTIVITY Human
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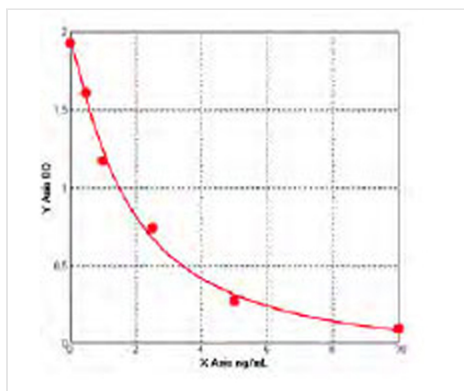
PRODUCT SYNONYMS

Mitochondrial import receptor subunit TOM22 homolog (TOMM22); Human Mitochondrial import receptor subunit TOM22 homolog (TOMM22) ELISA Kit; TOMM22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TOMM22. No significant cross-reactivity or interference between TOMM22 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TOMM22 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TOMM22 elisa kit	Intended Uses: This TOMM22 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanTOMM22. This ELISA kit for research use only! Principle of the Assay: TOMM22 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TOMM22 antibody and an TOMM22-HRP conjugate. The assay sample and buffer are incubated together with TOMM22-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 TOMM22 concentration since TOMM22 from samples and TOMM22-HRP conjugate compete for the anti-TOMM22 antibody binding site. Since the number of sites is limited, as more sites are occupied by TOMM22 from the sample, fewer sites are left to bind TOMM22-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TOMM22 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TOMM22 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	9910382
NCBI GeneID	56993
NCBI Accession #	NP_064628.1
NCBI GenBank Nucleotide #	NM_020243.4
Molecular Weight	15,522 Da
NCBI Official Full Name	mitochondrial import receptor subunit TOM22 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 22 homolog (yeast)
NCBI Official Symbol	TOMM22
NCBI Official Synonym Symbols	1C9-2; TOM22; MST065; MSTP065
NCBI Protein Information	mitochondrial import receptor subunit TOM22 homolog; mitochondrial import receptor Tom22; translocase of outer membrane 22 kDa subunit homolog
UniProt Protein Name	Mitochondrial import receptor subunit TOM22 homolog
UniProt Gene Name	TOMM22
UniProt Synonym Gene Names	TOM22; hTom22
UniProt Entry Name	TOM22_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.