

Human Transmembrane protein 173 (TMEM173) ELISA Kit | TMEM173 elisa kit

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CATALOG #
AAA27273

REACTIVITY
Human

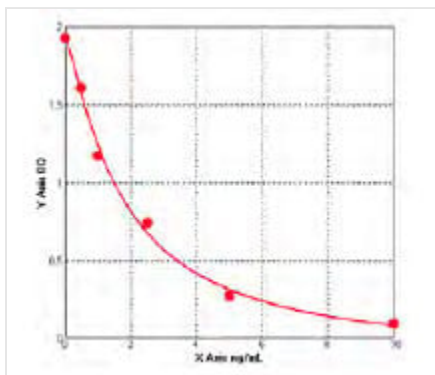
PRODUCT SYNONYMS

Transmembrane protein 173 (TMEM173); Human Transmembrane protein 173 (TMEM173) ELISA Kit; TMEM173 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TMEM173. No significant cross-reactivity or interference between TMEM173 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TMEM173 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMEM173 elisa kit	Intended Uses: This TMEM173 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanTMEM173. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TMEM173 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TMEM173 antibody and an TMEM173-HRP conjugate. The assay sample and buffer are incubated together with TMEM173-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 TMEM173 concentration since TMEM173 from samples and TMEM173-HRP conjugate compete for the anti-TMEM173 antibody binding site. Since the number of sites is limited, as more sites are occupied by TMEM173 from the sample, fewer sites are left to bind TMEM173-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TMEM173 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28839542
NCBI GeneID	340061
Molecular Weight	42,193 Da
NCBI Official Full Name	Transmembrane protein 173
NCBI Official Synonym Full Names	transmembrane protein 173
NCBI Official Symbol	TMEM173
NCBI Official Synonym Symbols	ERIS; MITA; MPYS; SAVI; NET23; STING; hMITA; hSTING
NCBI Protein Information	stimulator of interferon genes protein; endoplasmic reticulum IFN stimulator; mitochondrial mediator of IRF3 activation; endoplasmic reticulum interferon stimulator; N-terminal methionine-proline-tyrosine-serine plasma membrane tetraspanner
UniProt Protein Name	Stimulator of interferon genes protein
UniProt Gene Name	TMEM173
UniProt Synonym Gene Names	ERIS; MITA; STING; hSTING; ERIS; hMITA
UniProt Entry Name	STING_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.