

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

High Sensitive Transmembrane Protein 173 (TMEM173) ELISA Kit

CATALOG # AAA189273	REACTIVITY Human	APPLICATIONS ELISA
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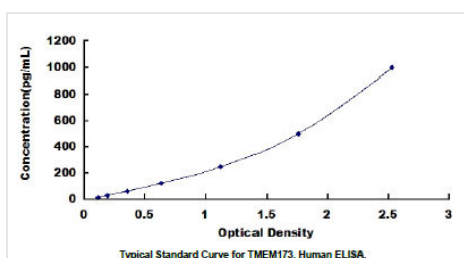
PRODUCT SYNONYMS

Transmembrane Protein 173 (TMEM173); High Sensitive Transmembrane Protein 173 (TMEM173) ELISA Kit; NET23; ERIS; MPYS; MITA; STING; Endoplasmic Reticulum Interferon Stimulator; Stimulator Of Interferon Genes Protein; Mediator of IRF3 activation; 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.
Samples	Human tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.7pg/mL
Applicable Applications for TMEM173 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TMEM173 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TMEM173 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMEM173 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TMEM173 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TMEM173. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TMEM173. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TMEM173, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TMEM173 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38093659
NCBI GeneID	340061
NCBI Accession #	NP_938023.1
NCBI GenBank Nucleotide #	NM_198282.2
UniProt Accession #	Q86WV6; A8K3P6; B6EB35; D6RBX0; D6RE01; D6RID9
Molecular Weight	379
NCBI Official Full Name	stimulator of interferon genes protein
NCBI Official Synonym Full Names	transmembrane protein 173
NCBI Official Symbol	TMEM173
NCBI Official Synonym Symbols	ERIS; MITA; MPYS; NET23; STING
NCBI Protein Information	stimulator of interferon genes protein; hMITA; hSTING; mediator of IRF3 activation; endoplasmic reticulum IFN stimulator; mitochondrial mediator of IRF3 activation; endoplasmic reticulum interferon stimulator; N-terminal methionine-proline-tyrosine-serine
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.