

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

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CATALOG #
AAA330501

REACTIVITY
Human

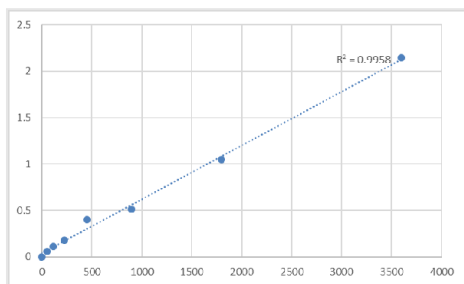
PRODUCT SYNONYMS

Transmembrane Protein 173 (TMEM173); Human Transmembrane Protein 173 (TMEM173) ELISA Kit; TMEM173; ERIS; FLJ38577; MITA; MPYS; NET23; STING; N-terminal methionine-proline-tyrosine-serine plasma membrane tetraspanner; endoplasmic reticulum IFN stimulator; mitochondrial mediator of IRF3 activation; st; TMEM173 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transmembrane protein 173 (TMEM173) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMEM173. No significant cross-reactivity or interference between Human TMEM173 and analogues was observed.
Sequence Length	379
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Transmembrane protein 173 (TMEM173) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMEM173 elisa kit	Description: This Human Transmembrane protein 173 (TMEM173) ELISA Kit employs a two-site sandwich ELISA to quantitate TMEM173 in samples. An antibody specific for TMEM173 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMEM173 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM173 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TMEM173 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The deduced 379-amino acid protein has a calculated molecular mass of 42.2 kD. It has 5 putative N-terminal transmembrane domains, a signal cleavage site in the first transmembrane domain, and a leucine-rich region that overlaps the first 4 transmembrane domains. Northern blot analysis detected STING expression in all tissues examined. Confocal microscopy and fractionation analysis of human embryonic kidney 293 cells revealed that STING predominantly associated with the endoplasmic reticulum (ER). Western blot analysis of 293 cells detected endogenous STING at an apparent molecular mass of 42 kD. STING activated both the NF-kappa-B and IRF3 transcription pathways to induce expression of IFN-alpha (IFNA1) and IFN-beta and exert a potent antiviral effect.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38093659
NCBI GeneID	340061
NCBI Accession #	NP_938023.1
NCBI GenBank Nucleotide #	NP_938023.1
UniProt Accession #	Q86WV6
NCBI Official Full Name	stimulator of interferon genes protein isoform 1
NCBI Official Synonym Full Names	transmembrane protein 173
NCBI Official Symbol	TMEM173
NCBI Official Synonym Symbols	ERIS; MITA; MPYS; SAVI; NET23; STING; hMITA; hSTING; STING-beta
NCBI Protein Information	stimulator of interferon genes protein
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.