

Human Transmembrane And TPR Repeat-Containing Protein 1 (TMTC1) ELISA Kit | TMTC1 elisa kit

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CATALOG #
AAA330468

REACTIVITY
Human

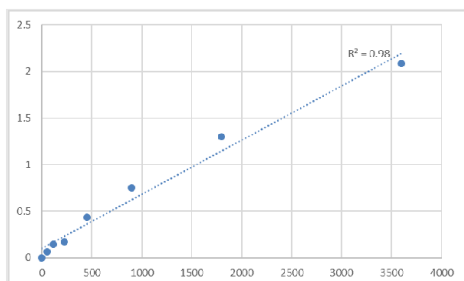
PRODUCT SYNONYMS

Transmembrane And TPR Repeat-Containing Protein 1 (TMTC1); Human Transmembrane And TPR Repeat-Containing Protein 1 (TMTC1) ELISA Kit; TMTC1; ARG99; FLJ31400; FLJ41625; OLF; TMTC1A; transmembrane and tetratricopeptide repeat containing 1A; TMTC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transmembrane and TPR repeat-containing protein 1 (TMTC1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMTC1. No significant cross-reactivity or interference between Human TMTC1 and analogues was observed.
Sequence Length	882
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 and TPR repeat-containing protein 1 (TMTC1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMTC1 elisa kit	Description: This Human Transmembrane and TPR repeat-containing protein 1 (TMTC1) ELISA Kit employs a two-site sandwich ELISA to quantitate TMTC1 in samples. An antibody specific for TMTC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMTC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMTC1 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 TMTC1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMTC1 is a multi-pass membrane protein. It belongs to the TMTC family and contains 10 TPR repeats. The tetratrico peptide repeat (TPR) is a structural motif present in a wide range of proteins. It mediates protein-protein interactions and the assembly of multiprotein complexes. The TPR motif consists of 3-16 tandem-repeats of 34 amino acids residues, although individual TPR motifs can be dispersed in the protein sequence. Sequence alignment of the TPR domains reveals a consensus sequence defined by a pattern of small and large amino acids. TPR motifs have been identified in various different organisms, ranging from bacteria to humans. Proteins containing TPRs are involved in a variety of biological processes, such as cell cycle regulation, transcriptional control, mitochondrial and peroxisomal protein transport, neurogenesis and protein folding.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	301336134
NCBI GeneID	83857
NCBI Accession #	NP_001180380.1
NCBI GenBank Nucleotide #	NP_001180380.1
UniProt Accession #	Q8IUR5
NCBI Official Full Name	protein O-mannosyl-transferase TMTC1 isoform 1
NCBI Official Synonym Full Names	transmembrane and tetratricopeptide repeat containing 1
NCBI Official Symbol	TMTC1
NCBI Official Synonym Symbols	OLF; ARG99; TMTC1A
NCBI Protein Information	protein O-mannosyl-transferase TMTC1; transmembrane and TPR repeat-containing protein 1
UniProt Protein Name	Transmembrane and TPR repeat-containing protein 1
UniProt Gene Name	TMTC1
UniProt Synonym Gene Names	ARG99
UniProt Entry Name	TMTC1_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.