

# Human Transmembrane And TPR Repeat-Containing Protein 3 (TMTC3) ELISA Kit | TMTC3 elisa kit

Human Transmembrane And TPR Repeat-Containing Protein 3 (TMTC3) ELISA Kit

CATALOG #  
**AAA330465**

REACTIVITY  
**Human**

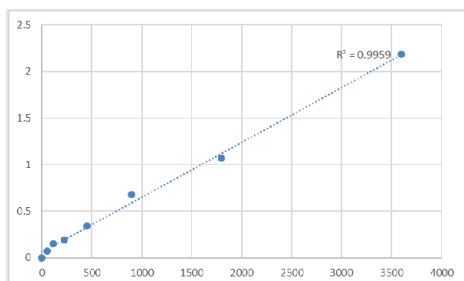
## PRODUCT SYNONYMS

Transmembrane And TPR Repeat-Containing Protein 3 (TMTC3); Human Transmembrane And TPR Repeat-Containing Protein 3 (TMTC3) ELISA Kit; TMTC3; DKFZp686C0968; DKFZp686M1969; DKFZp686O22167; DKFZp686O2342; FLJ90492; SMILE; TMTC3 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Transmembrane and TPR repeat-containing protein 3 (TMTC3) ELISA Kit has high sensitivity and excellent specificity for detection of Human TMTC3. No significant cross-reactivity or interference between Human TMTC3 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Length         | 914                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## IMAGES



Standard Curve (Sample)

Fig.1. Human Transmembrane and TPR repeat-containing protein 3 (TMTC3) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TMTC3 elisa kit | <p>Description: This Human Transmembrane and TPR repeat-containing protein 3 (TMTC3) ELISA Kit employs a two-site sandwich ELISA to quantitate TMTC3 in samples. An antibody specific for TMTC3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMTC3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMTC3 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 TMTC3 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: TMTC3 encodes a protein that belongs to the transmembrane and tetratricopeptide repeat-containing protein family. The tetratricopeptide 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.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------|
| NCBI GI #                        | 224809432                                                                               |
| NCBI GeneID                      | 160418                                                                                  |
| NCBI Accession #                 | NP_861448.2                                                                             |
| NCBI GenBank Nucleotide #        | NP_861448.2                                                                             |
| UniProt Accession #              | Q6ZXV5                                                                                  |
| NCBI Official Full Name          | protein O-mannosyl-transferase TMTC3 isoform 1                                          |
| NCBI Official Synonym Full Names | transmembrane O-mannosyltransferase targeting cadherins 3                               |
| NCBI Official Symbol             | TMTC3                                                                                   |
| NCBI Official Synonym Symbols    | LIS8; SMILE                                                                             |
| NCBI Protein Information         | protein O-mannosyl-transferase TMTC3; transmembrane and TPR repeat-containing protein 3 |
| UniProt Protein Name             | Transmembrane and TPR repeat-containing protein 3                                       |
| UniProt Gene Name                | TMTC3                                                                                   |
| UniProt Entry Name               | TMTC3_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.