

Mouse Transmembrane Protein 53 (TMEM53) ELISA Kit | TMEM53 elisa kit

Mouse Transmembrane Protein 53 (TMEM53) ELISA Kit

CATALOG #
AAA332191

REACTIVITY
Mouse

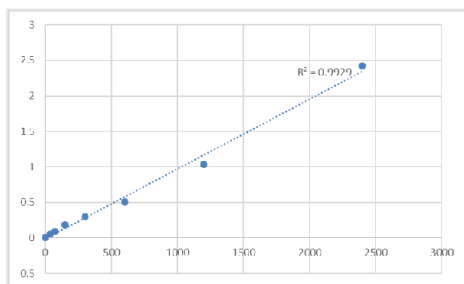
PRODUCT SYNONYMS

Transmembrane Protein 53 (TMEM53); Mouse Transmembrane Protein 53 (TMEM53) ELISA Kit; TMEM53; RP4-678E16.2; FLJ22353; NET4; novel DUF829 domain-containing protein; TMEM53 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transmembrane protein 53 (TMEM53) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMEM53. No significant cross-reactivity or interference between Mouse TMEM53 and analogues was observed.
Sequence Length	283
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. Mouse Transmembrane protein 53 (TMEM53) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMEM53 elisa kit	Description: This Mouse Transmembrane protein 53 (TMEM53) ELISA Kit employs a two-site sandwich ELISA to quantitate TMEM53 in samples. An antibody specific for TMEM53 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMEM53 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMEM53 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 TMEM53 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMEM53 has no paralogs but is predicted to have many orthologs across eukaryotes. The secondary structure of TMEM53 is predicted to consist of alternating pairs of alpha helices and beta sheets. The function of TMEM53 is not fully understood. It contains a domain of unknown function, DUF829, which is approximately 240 amino acids long. This domain has not been found in proteins other than TMEM53 and its orthologs. Based on human and mouse EST profiles and a human tissue GEO profile, TMEM53 appears to be expressed ubiquitously at low levels in both normal and cancerous tissues. Transmembrane protein 53 has no paralogs. It does, however, have orthologs extending throughout eukaryotes, from primates to amoeba.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	551410959
NCBI GeneID	68777
NCBI Accession #	NP_001272741.1
NCBI GenBank Nucleotide #	NP_001272741.1
UniProt Accession #	Q9D0Z3
NCBI Official Full Name	transmembrane protein 53 isoform a
NCBI Official Synonym Full Names	transmembrane protein 53
NCBI Official Symbol	Tmem53
NCBI Official Synonym Symbols	1110038M16Rik; 1500001P22Rik; 1700012A05Rik
NCBI Protein Information	transmembrane protein 53
UniProt Protein Name	Transmembrane protein 53
UniProt Gene Name	Tmem53
UniProt Entry Name	TMM53_MOUSE

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.