

Mouse Transmembrane Protease Serine 6 (TMPRSS6) ELISA Kit | TMPRSS6 elisa kit

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CATALOG #
AAA332161

REACTIVITY
Mouse

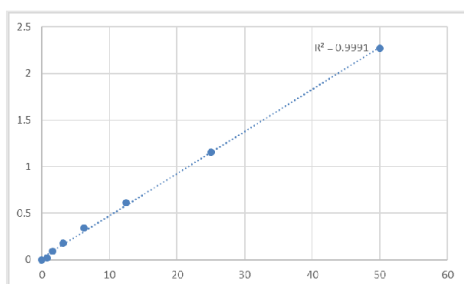
PRODUCT SYNONYMS

Transmembrane Protease Serine 6 (TMPRSS6); Mouse Transmembrane Protease Serine 6 (TMPRSS6) ELISA Kit; TMPRSS6; RP5-1170K4.5; IRIDA; membrane-bound mosaic serine proteinase matriptase-2; type transmembrane serine protease 6; TMPRSS6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transmembrane protease serine 6 (TMPRSS6) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMPRSS6. No significant cross-reactivity or interference between Mouse TMPRSS6 and analogues was observed.
Sequence Length	811
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 protease serine 6 (TMPRSS6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMPRSS6 elisa kit	Description: This Mouse Transmembrane protease serine 6 (TMPRSS6) ELISA Kit employs a two-site sandwich ELISA to quantitate TMPRSS6 in samples. An antibody specific for TMPRSS6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMPRSS6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMPRSS6 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 TMPRSS6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMPRSS6 shares 35% sequence identity with human matriptase/ST14 and spinesin/TMPRSS5, and 84.3% identity with mouse Tmprss6. It contains structural features characteristic of type II serine proteinases, including a short hydrophobic domain, a type II transmembrane sequence, 2 CUB domains, 3 LDL receptor repeats, and a C-terminal catalytic domain with structural hallmarks of serine proteinases. A potential phosphorylation domain is present at the cytoplasmic tail. Sequence alignment of the catalytic domains of TMPRSS6 and other type II serine proteinase family members permitted the identification of several conserved domains. Northern blot analysis of multiple human tissues revealed expression of a 3.5-kb TMPRSS6 transcript exclusively in fetal and adult liver.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125656152
NCBI GeneID	71753
NCBI Accession #	NP_082178.2
NCBI GenBank Nucleotide #	NP_082178.2
UniProt Accession #	Q9DBI0
NCBI Official Full Name	transmembrane protease serine 6 isoform 1
NCBI Official Synonym Full Names	transmembrane serine protease 6
NCBI Official Symbol	Tmprss6
NCBI Official Synonym Symbols	1300008A22Rik
NCBI Protein Information	transmembrane protease serine 6
UniProt Protein Name	Transmembrane protease serine 6
UniProt Gene Name	Tmprss6
UniProt Entry Name	TMPS6_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/transmembrane-protease-serine-6-tmprss6/332161>