

Mouse Transmembrane Protease Serine 4 (TMPRSS4) ELISA Kit | TMPRSS4 elisa kit

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CATALOG #
AAA332162

REACTIVITY
Mouse

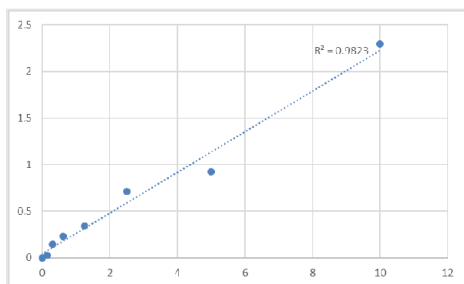
PRODUCT SYNONYMS

Transmembrane Protease Serine 4 (TMPRSS4); Mouse Transmembrane Protease Serine 4 (TMPRSS4) ELISA Kit; TMPRSS4; MT-SP2; TMPRSS3; membrane-type serine protease 2; transmembrane serine protease 3; type membrane serine protease; TMPRSS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transmembrane protease serine 4 (TMPRSS4) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMPRSS4. No significant cross-reactivity or interference between Mouse TMPRSS4 and analogues was observed.
Sequence Length	435
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 4 (TMPRSS4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TMPRSS4 elisa kit	Description: This Mouse Transmembrane protease serine 4 (TMPRSS4) ELISA Kit employs a two-site sandwich ELISA to quantitate TMPRSS4 in samples. An antibody specific for TMPRSS4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMPRSS4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMPRSS4 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 TMPRSS4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TMPRSS4 encodes a member of the serine protease family. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders. This gene was identified as a gene overexpressed in pancreatic carcinoma. The encoded protein is membrane bound with a N-terminal anchor sequence and a glycosylated extracellular region containing the serine protease domain. Multiple transcript variants encoding different isoforms have been found for this gene. A weak TMPRSS4 signal was detected in normal tissues of the gastrointestinal tract and in some of the urogenital tract but was not expressed in any other normal tissues. The authors suggested that TMPRSS4 may be important in processes involved in metastasis formation and tumor invasion.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21703806
NCBI GeneID	214523
NCBI Accession #	NP_663378.1
NCBI GenBank Nucleotide #	NP_663378.1
UniProt Accession #	Q8VCA5
NCBI Official Full Name	transmembrane protease serine 4 isoform 1
NCBI Official Synonym Full Names	transmembrane protease, serine 4
NCBI Official Symbol	Tmprss4
NCBI Official Synonym Symbols	CAP2; mCAP2
NCBI Protein Information	transmembrane protease serine 4
UniProt Protein Name	Transmembrane protease serine 4
UniProt Gene Name	Tmprss4
UniProt Synonym Gene Names	Cap2; mCAP2
UniProt Entry Name	TMPS4_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.