

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

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CATALOG #
AAA140283

REACTIVITY
Human

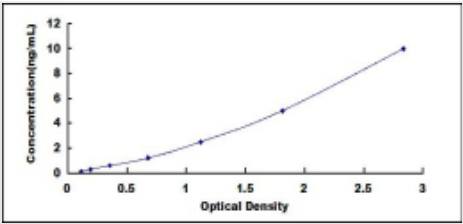
PRODUCT SYNONYMS

Transmembrane Protease; Serine 4 (TMPRSS4); Human Transmembrane Protease; Serine 4 (TMPRSS4) ELISA Kit; MT-SP2; CAPH2; TMPRSS3; Membrane-Type Serine Protease 2; Type II Membrane Serine Protease; Channel-activating protease 2; TMPRSS4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Transmembrane Protease, Serine 4 (TMPRSS4). No significant cross-reactivity or interference between Transmembrane Protease, Serine 4 (TMPRSS4) and analogues was observed.
Sequence Length	397
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Transmembrane Protease, Serine 4 (TMPRSS4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Transmembrane Protease, Serine 4 (TMPRSS4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMPRSS4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Transmembrane Protease, Serine 4 (TMPRSS4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Transmembrane Protease, Serine 4 (TMPRSS4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Transmembrane Protease, Serine 4 (TMPRSS4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Transmembrane Protease, Serine 4 (TMPRSS4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TMPRSS4 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	291167775
NCBI GeneID	56649
NCBI Accession #	NP_001167022.1
NCBI GenBank Nucleotide #	NM_001173551.1
UniProt Accession #	Q9NRS4; Q5XKQ6; Q6UX37; Q9NZA5; A8MU84; B0YJB0; B7Z8C5; E7ERX8
Molecular Weight	43,786 Da
NCBI Official Full Name	transmembrane protease serine 4 isoform 4
NCBI Official Synonym Full Names	transmembrane protease, serine 4
NCBI Official Symbol	TMPRSS4
NCBI Official Synonym Symbols	CAPH2; MT-SP2; TMPRSS3
NCBI Protein Information	transmembrane protease serine 4
UniProt Protein Name	Transmembrane protease serine 4
UniProt Gene Name	TMPRSS4
UniProt Synonym Gene Names	TMPRSS3; CAPH2; MT-SP2
UniProt Entry Name	TMPS4_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.