

Mouse Transmembrane Protease Serine 2 (TMPRSS2) ELISA Kit | TMPRSS2 elisa kit

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CATALOG #
AAA332164

REACTIVITY
Mouse

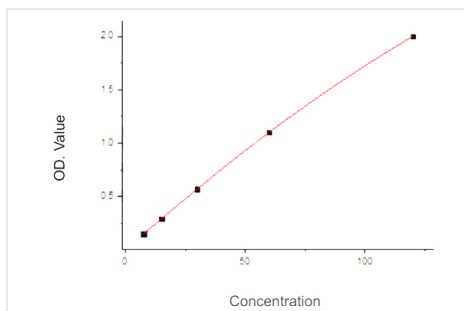
PRODUCT SYNONYMS

Transmembrane Protease Serine 2 (TMPRSS2); Mouse Transmembrane Protease Serine 2 (TMPRSS2) ELISA Kit; TMPRSS2; FLJ41954; PP9284; PRSS10; OTTHUMP00000207917; epitheliasin; TMPRSS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transmembrane protease serine 2 (TMPRSS2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TMPRSS2. No significant cross-reactivity or interference between Mouse TMPRSS2 and analogues was observed.
Sequence Length	490
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Detection Range	7.5 pg/ml - 120 pg/ml
Sensitivity	< 0.5pg/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TMPRSS2 elisa kit	Background: Transmembrane protease, serine 2 protein that belongs to the serine protease family. The encoded protein contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. This gene was demonstrated to be up-regulated by androgenic hormones in prostate cancer cells and down-regulated in androgen-independent prostate cancer tissue. Principle of the Assay: Mouse Transmembrane protease serine 2 (TMPRSS2) ELISA Kit employs a two-site sandwich ELISA to quantitate TMPRSS2 in samples. An antibody specific for TMPRSS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TMPRSS2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Mouse TMPRSS2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of TMPRSS2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34328226
NCBI GeneID	50528
NCBI Accession #	NP_056590.2
NCBI GenBank Nucleotide #	NP_056590.2
UniProt Accession #	Q9JIQ8
NCBI Official Full Name	transmembrane protease serine 2
NCBI Official Synonym Full Names	transmembrane protease, serine 2
NCBI Official Symbol	Tmprss2
NCBI Official Synonym Symbols	D16Ertd61e
NCBI Protein Information	transmembrane protease serine 2
UniProt Protein Name	Transmembrane protease serine 2
UniProt Gene Name	Tmprss2

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-2-tmprss2/332164>