

# Human Transmembrane protease serine 3 (TMPRSS3) ELISA Kit



Catalog No: #EK6318

Orders: order@signalwayantibody.com

Package Size: #EK6318-1 48T #EK6318-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Transmembrane protease serine 3 (TMPRSS3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DFNB10; DFNB8; ECHOS1; TADG12; serine protease TADG12
Accession No.	P57727
Uniprot	P57727
GeneID	64699;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TMPRSS3 in samples. An antibody specific for TMPRSS3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTMPRSS3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TMPRSS3 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 TMPRSS3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview: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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Note: This product is for in vitro research use only