

Human Transglutaminase 4, Prostate (TGM4) ELISA Kit | TGM4 elisa kit

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CATALOG #
AAA66968

REACTIVITY
Human

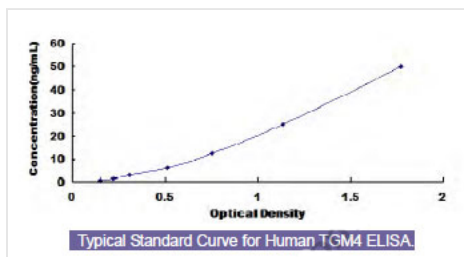
PRODUCT SYNONYMS

Transglutaminase 4; Prostate (TGM4); Human Transglutaminase 4; Prostate (TGM4) ELISA Kit; TGP; hTGP; Fibrinoligase; Prostate-specific transglutaminase; Transglutaminase P; TGM4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TGM4. No significant cross-reactivity or interference between TGM4 and analogues was observed.
Sequence Length	684
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.33ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGM4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TGM4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGM4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TGM4 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TGM4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TGM4. 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 TGM4, 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 TGM4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156627577
NCBI GeneID	7047
NCBI Accession #	NP_003232.2
NCBI GenBank Nucleotide #	NM_003241.3
UniProt Accession #	P49221; Q16707; Q96QN4
Molecular Weight	77,145 Da
NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase 4
NCBI Official Synonym Full Names	transglutaminase 4
NCBI Official Symbol	TGM4
NCBI Official Synonym Symbols	TGP; hTGP
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 4
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 4
UniProt Gene Name	TGM4
UniProt Synonym Gene Names	TG(P); TGP; TGase P; TGase-4

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.