

Human transglutaminase 4 (prostate) ELISA Kit | TGM4 elisa kit

Human Protein-glutamine gamma-glutamyltransferase 4, TGM4 ELISA Kit

CATALOG #
AAA112402

REACTIVITY
Human

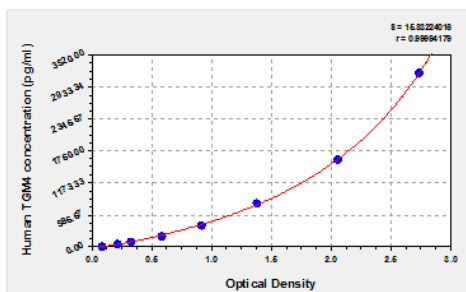
PRODUCT SYNONYMS

transglutaminase 4 (prostate); Human Protein-glutamine gamma-glutamyltransferase 4; TGM4 ELISA Kit; Human Protein-glutamine gamma-glutamyltransferase 4 (TGM4) ELISA kit; FLJ26776; TGP; hTGP; prostate-specific transglutaminase; TGM4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TGM4. No significant cross-reactivity or interference between Human TGM4 and analogues was observed.
Sequence Length	684
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	50 pg/ml-3200 pg/ml
Sensitivity	12.5 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGM4 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TGM4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TGM4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TGM4 is added to the wells. After washing, avidin 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 TGM4 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 #	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; TG(P); TGase P; TGase-4; fibrinolygase; transglutaminase P; transglutaminase-4; prostate transglutaminase; transglutaminase 4 (prostate); prostate-specific transglutaminase
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 4
UniProt Gene Name	TGM4
UniProt Synonym Gene Names	TG(P); TGP; TGase P; TGase-4
UniProt Entry Name	TGM4_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.

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Online datasheet: <https://stage.aaabiotech.com/tgm4-human-elisa-kits/transglutaminase-4-prostate/112402>