

Human transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) ELISA Kit | TGM1 elisa kit

Human Protein-glutamine gamma-glutamyltransferase K, TGM1 ELISA Kit

CATALOG #
AAA113040

REACTIVITY
Human

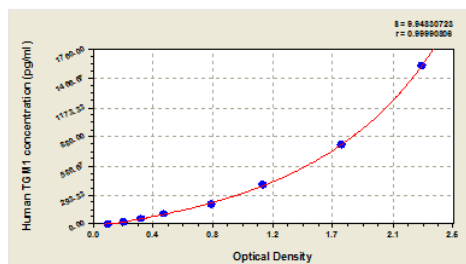
PRODUCT SYNONYMS

transglutaminase 1 (K polypeptide epidermal type I; protein-glutamine-gamma-glutamyltransferase); Human Protein-glutamine gamma-glutamyltransferase K; TGM1 ELISA Kit; Human Protein-glutamine gamma-glutamyltransferase K (TGM1) ELISA kit; ICR2; KTG; LI; LI1; TGASE; TGK; TGase K; epidermal TGase; transglutaminase 1; transglutaminase K; transglutaminase; keratinocyte; TGM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TGM1. No significant cross-reactivity or interference between Human TGM1 and analogues was observed.
Sequence Length	817
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	6.25 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
Protein Biological Process 1	Developmental Protein
Protein Biological Process 3	Keratinization
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 TGM1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TGM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TGM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TGM1 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 TGM1 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 #	4507475
NCBI GeneID	7051
NCBI Accession #	NP_000350.1
NCBI GenBank Nucleotide #	NM_000359.2
UniProt Accession #	P22735; Q197M4
Molecular Weight	89,787 Da
NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase K
NCBI Official Synonym Full Names	transglutaminase 1
NCBI Official Symbol	TGM1
NCBI Official Synonym Symbols	LI; KTG; LI1; TGK; ICR2; ARCI1; TGASE
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase K; TG(K); TGase K; TGase-1; epidermal TGase; transglutaminase K; transglutaminase-1; transglutaminase 1 isoform; transglutaminase, keratinocyte; K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase K
UniProt Gene Name	TGM1
UniProt Synonym Gene Names	KTG; TG(K); TGK; TGase K; TGase-1
UniProt Entry Name	TGM1_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/tgm1-human-elisa-kits/transglutaminase-1-k-polypeptide-epidermal-type-i-protein-glutamine-gamma-glutamyltransferase/113040>