

Human TGM2 ELISA Kit | TGM2 elisa kit

Human TGM2 (Transglutaminase 2, Tissue) ELISA Kit

CATALOG #
AAA21646

REACTIVITY
Human

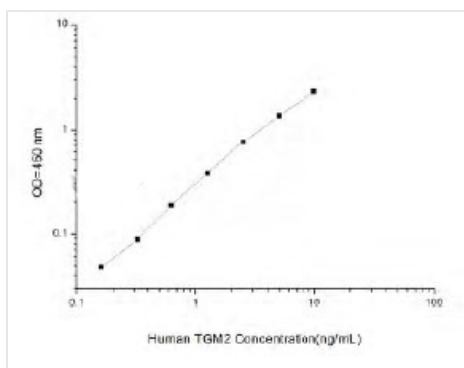
PRODUCT SYNONYMS

TGM2; Human TGM2 (Transglutaminase 2; Tissue) ELISA Kit; TGM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human TGM2 in samples. No significant cross-reactivity or interference between Human TGM2 and analogues was observed.
Sequence Length	93
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human TGM2 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human TGM2 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGM2 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human TGM2. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human TGM2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human TGM2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human TGM2. You can calculate the concentration of Human TGM2 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human TGM2 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49522843
NCBI GeneID	7052
Molecular Weight	38,671 Da
NCBI Official Full Name	TGM2 protein, partial
NCBI Official Synonym Full Names	transglutaminase 2
NCBI Official Symbol	TGM2
NCBI Official Synonym Symbols	TG2; TGC; GNAH; HEL-S-45; G-ALPHA-h
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 2; C polypeptide, protein-glutamine-gamma-glutamyltransferase; TG(C); TGase C; TGase H; TGase-2; TGase-H; epididymis secretory protein Li 45; tissue transglutaminase; transglutaminase C; transglutaminase H; transglutaminase-2
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 2
UniProt Gene Name	TGM2
UniProt Synonym Gene Names	TG(C); TGC; TGase C; TGase H; TGase-2
UniProt Entry Name	TGM2_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.