

Rat Transglutaminase 2, Tissue (TGM2) ELISA Kit | TGM2 elisa kit

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CATALOG #
AAA63341

REACTIVITY
Rat

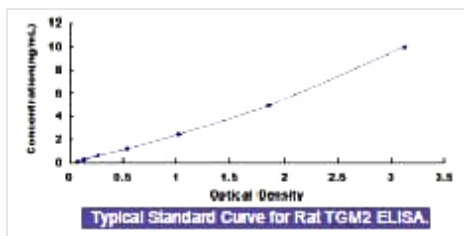
PRODUCT SYNONYMS

Transglutaminase 2; Tissue (TGM2); Rat Transglutaminase 2; Tissue (TGM2) ELISA Kit; tTG; TG2; C Polypeptide; Protein-Glutamine-Gamma-Glutamyltransferase; Transglutaminase C; Transglutaminase H; TGM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TGM2. No significant cross-reactivity or interference between TGM2 and analogues was observed.
Sequence Length	686
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10mU/mL
Sensitivity	0.042mU/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TGM2 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 TGM2 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 TGM2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TGM2 in rat 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 TGM2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TGM2. 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 TGM2, 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 TGM2 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 #	81869912
NCBI GeneID	56083
UniProt Accession #	Q9WVJ6
Molecular Weight	76,935 Da
NCBI Official Full Name	Tissue-type transglutaminase
NCBI Official Synonym Full Names	transglutaminase 2
NCBI Official Symbol	Tgm2
NCBI Official Synonym Symbols	Tgasell
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 2
UniProt Protein Name	Protein Tgm2
UniProt Gene Name	Tgm2

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.