

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

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CATALOG #
AAA68726

REACTIVITY
Mouse

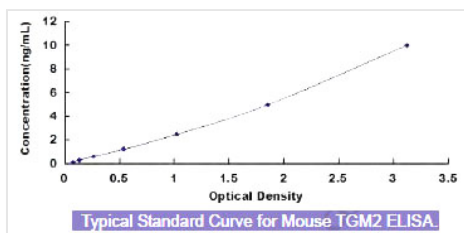
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	Tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.058ng/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%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TGM2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TGM2 in mouse tissue homogenates, cell lysates, cell culture supernates or 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 #	6678329
NCBI GeneID	21817
NCBI Accession #	NP_033399.1
NCBI GenBank Nucleotide #	NM_009373.3
UniProt Accession #	P21981; O88901; Q3TLV2; Q8C217; Q91VG9; Q9R1F7
Molecular Weight	77,061 Da
NCBI Official Full Name	protein-glutamine gamma-glutamyltransferase 2
NCBI Official Synonym Full Names	transglutaminase 2, C polypeptide
NCBI Official Symbol	Tgm2
NCBI Official Synonym Symbols	TG2; tTG; G[a]h; tTGas; TGase2
NCBI Protein Information	protein-glutamine gamma-glutamyltransferase 2
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 2
UniProt Gene Name	Tgm2
UniProt Synonym Gene Names	TG(C); TGC; TGase C; TGase-2

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.