

Monkey Transglutaminase ELISA Kit | TG elisa kit

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CATALOG #
AAA90203

REACTIVITY
Monkey

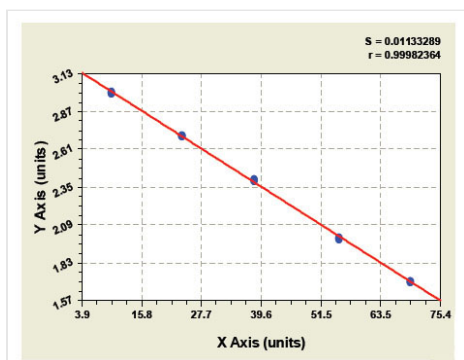
PRODUCT SYNONYMS

Transglutaminase; Monkey Transglutaminase ELISA Kit; TG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TG elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This TG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey TG. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY TG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TG antibody and an TG-HRP conjugate. The assay sample and buffer are incubated together with TG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TG concentration since TG from samples and TG-HRP conjugate compete for the anti-TG antibody binding site. Since the number of sites is limited, as more sites are occupied by TG from the sample, fewer sites are left to bind TG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TG concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	387605
Molecular Weight	77,141 Da
NCBI Official Full Name	transglutaminase
UniProt Protein Name	Protein-glutamine gamma-glutamyltransferase 2
UniProt Gene Name	TGM2
UniProt Synonym Gene Names	TG(C); TGC; TGase C; TGase-2
UniProt Entry Name	TGM2_CAVCU

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.