

Rat Anti-tissue transglutaminase IgG, IgG-tTG ELISA Kit

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CATALOG #
AAA244964

REACTIVITY
Rat

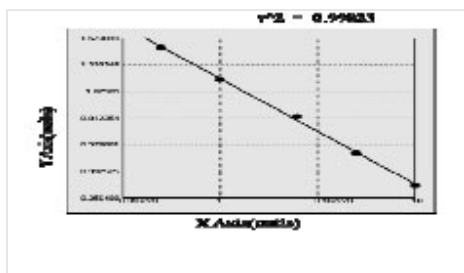
PRODUCT SYNONYMS

Anti-tissue transglutaminase IgG; IgG-tTG; Rat Anti-tissue transglutaminase IgG; IgG-tTG ELISA Kit; IgG-tTG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Anti-tissue transglutaminase IgG, IgG-tTG elisa kit

Intended Uses: This TTG-IgG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TTG-IgG.

Principle of the Assay: TTG-IgG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TTG-IgG antibody and an TTG-IgG-HRP conjugate. The assay sample and buffer are incubated together with TTG-IgG-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 TTG-IgG concentration since TTG-IgG from samples and TTG-IgG-HRP conjugate compete for the anti-TTG-IgG antibody binding site. Since the number of sites is limited, as more sites are occupied by TTG-IgG from the sample, fewer sites are left to bind TTG-IgG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TTG-IgG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Anti-tissue transglutaminase IgG, IgG-tTG elisa kit

Neuroscience

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/rat-elisa-kits/anti-tissue-transglutaminase-igg-igg-ttg/244964>