

Human Anti tissue transglutaminase IgG, IgG tTG ELISA Kit

Human Anti tissue transglutaminase IgG, IgG tTG ELISA Kit

CATALOG #
AAA244700

REACTIVITY
Human

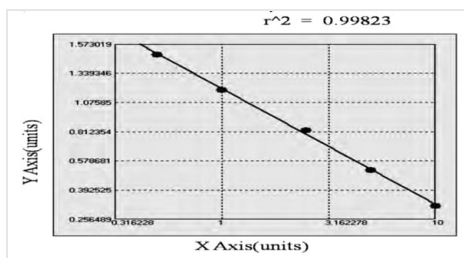
PRODUCT SYNONYMS

Anti tissue transglutaminase IgG; IgG tTG; Human Anti tissue transglutaminase IgG; IgG tTG ELISA Kit; IgG tTG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TTG-IgG. No significant cross-reactivity or interference between TTG-IgG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the Cross-reactivity detection between TTG-IgG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 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

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 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.

Intended Uses: This TTG-IgG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TTG-IgG. This ELISA kit for research use only, not for therapeutic or test applications!

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/anti-tissue-transglutaminase-igg-igg-ttg/244700>