

Rat Total Immunoglobulin ELISA Kit | TIG elisa kit

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CATALOG #
AAA16532

REACTIVITY
Rat

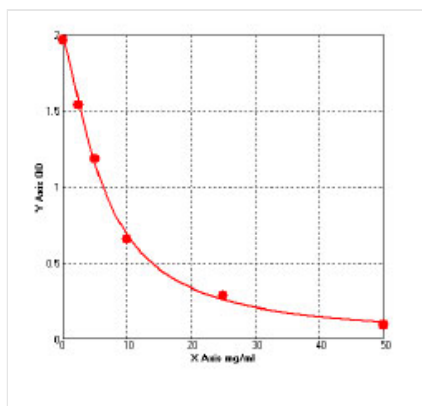
PRODUCT SYNONYMS

Total Immunoglobulin; Rat Total Immunoglobulin ELISA Kit; TIG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TIG. No significant cross-reactivity or interference between TIG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TIG 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	0.1 mg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIG elisa kit	Principle of the Assay: TIG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TIG antibody and an TIG-HRP conjugate. The assay sample and buffer are incubated together with TIG-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 TIG concentration since TIG from samples and TIG-HRP conjugate compete for the anti-TIG antibody binding site. Since the number of sites is limited, as more sites are occupied by TIG from the sample, fewer sites are left to bind TIG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIG concentration in each sample is interpolated from this standard curve. Intended Uses: This TIG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TIG. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for TIG elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	159030459
UniProt Accession #	A8YMD6
Molecular Weight	51,856 Da
NCBI Official Full Name	tig
UniProt Protein Name	Trigger factor
UniProt Gene Name	tig
UniProt Synonym Gene Names	IPF_798; TF
UniProt Entry Name	A8YMD6_MICAE

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/tig-rat-elisa-kits/total-immunoglobulin/16532>