

Human Thyroid stimulating hormone receptor antibody ELISA Kit | TRAb elisa kit

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CATALOG #
AAA16005

REACTIVITY
Human

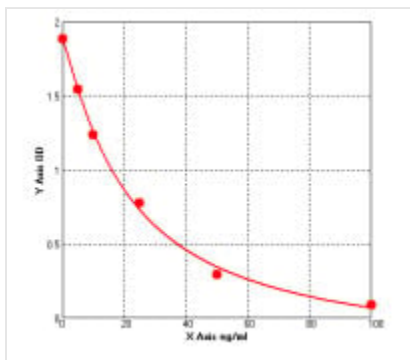
PRODUCT SYNONYMS

Thyroid stimulating hormone receptor antibody; Human Thyroid stimulating hormone receptor antibody ELISA Kit; TRAb elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	475428
Molecular Weight	43,691 Da
NCBI Official Full Name	TraB
UniProt Protein Name	TraB
UniProt Gene Name	traB
UniProt Entry Name	Q47761_ENTFL

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/trab-human-elisa-kits/thyroid-stimulating-hormone-receptor-antibody/16005>