

Human Thyroid stimulating antibody ELISA Kit | TSAb elisa kit

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CATALOG #
AAA83302

REACTIVITY
Human

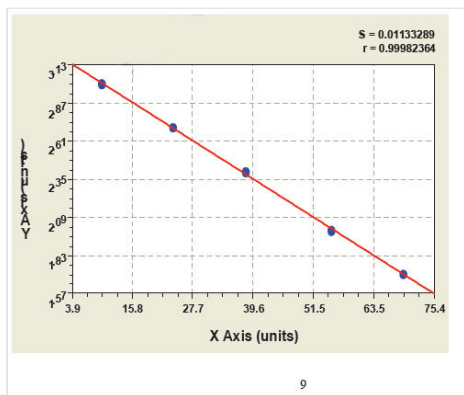
PRODUCT SYNONYMS

Thyroid stimulating antibody; Human Thyroid stimulating antibody ELISA Kit; TSAb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pmol/mL
Sensitivity	1.0pmol/mL
Intended Uses	This TSAb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TSAb. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TSAb elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	5381203
Molecular Weight	20,282 Da
NCBI Official Full Name	TsaB
UniProt Protein Name	Putative fimbrial subunit
UniProt Gene Name	tsaB
UniProt Synonym Gene Names	tcfB; t2549
UniProt Entry Name	Q9XDS3_SALTI

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/tsab-human-elisa-kits/thyroid-stimulating-antibody/83302>