

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

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CATALOG #
AAA96743

REACTIVITY
Canine

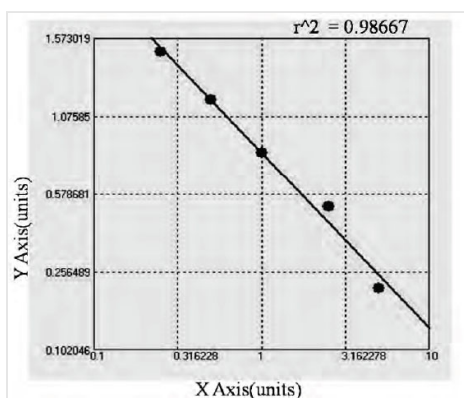
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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: TRAb ELISA kit applies the competitive enzyme immunoassay technique utilizing Thyroid stimulating hormone receptor antigen and an TRAb-HRP conjugate. The assay sample and buffer are incubated together with TRAb-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 TRAb concentration since TRAb from samples and TRAb-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 TRAb from the sample, fewer sites are left to bind TRAb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TRAb concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TRAb elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	38016895
NCBI GeneID	7253
Molecular Weight	30,800 Da
NCBI Official Full Name	thyroid stimulating hormone receptor
NCBI Official Synonym Full Names	thyroid stimulating hormone receptor
NCBI Official Symbol	TSHR
NCBI Official Synonym Symbols	LGR3; CHNG1; hTSHR-I
NCBI Protein Information	thyrotropin receptor; thyrotropin receptor-I, hTSHR-I; seven transmembrane helix receptor; thyroid stimulating hormone receptor, isoform 2
UniProt Protein Name	Thyrotropin receptor
UniProt Gene Name	TSHR
UniProt Synonym Gene Names	LGR3; TSH-R
UniProt Entry Name	TSHR_HUMAN

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-canine-elisa-kits/thyroid-stimulating-hormone-receptor-antidoby/96743>