

Human Sex-Determining Region Y Protein (SRY) ELISA Kit | SRY elisa kit

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CATALOG #
AAA330581

REACTIVITY
Human

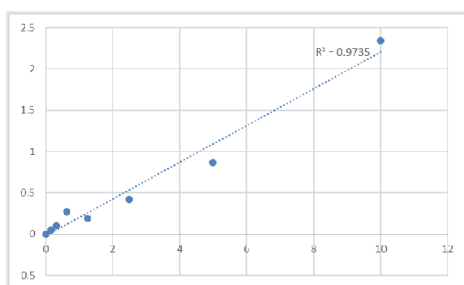
PRODUCT SYNONYMS

Sex-Determining Region Y Protein (SRY); Human Sex-Determining Region Y Protein (SRY) ELISA Kit; SRY; TDF; TDY; essential protein for sex determination in human males; sex determining region protein; sex-determining region on Y; testis-determining factor; SRY elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sex-determining region Y protein (SRY) ELISA Kit has high sensitivity and excellent specificity for detection of Human SRY. No significant cross-reactivity or interference between Human SRY and analogues was observed.
Sequence Length	204
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Sex-determining region Y protein (SRY) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SRY elisa kit	Description: This Human Sex-determining region Y protein (SRY) ELISA Kit employs a two-site sandwich ELISA to quantitate SRY in samples. An antibody specific for SRY has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SRY present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SRY is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SRY bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SRY is a sex-determining gene on the Y chromosome in the therians.This intronless gene encodes a transcription factor that is a member of the high mobility group (HMG)-box family of DNA-binding proteins. This protein is the testis determining factor (TDF), also referred to as the SRY protein, which initiates male sex determination. Mutations in this gene give rise to XY females with gonadal dysgenesis; translocation of part of the Y chromosome containing this gene to the X chromosome causes XX male syndrome.SRY has been linked to the fact that men are more likely than women to develop dopamine-related diseases such as schizophrenia and Parkinson's disease. makes a protein that controls concentrations of dopamine, the neurotransmitter that carries signals from the brain that control movement and coordination.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507225
NCBI GeneID	6736
NCBI Accession #	NP_003131.1
NCBI GenBank Nucleotide #	NP_003131.1
UniProt Accession #	Q05066
NCBI Official Full Name	sex-determining region Y protein
NCBI Official Synonym Full Names	sex determining region Y
NCBI Official Symbol	SRY
NCBI Official Synonym Symbols	TDF; TDY; SRXX1; SRXY1
NCBI Protein Information	sex-determining region Y protein
UniProt Protein Name	Sex-determining region Y protein
UniProt Gene Name	SRY
UniProt Synonym Gene Names	TDF
UniProt Entry Name	SRY_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.