

Canine Sex-determining region Y protein (SRY) ELISA Kit



Catalog No: #EK6661

Orders: order@signalwayantibody.com

Package Size: #EK6661-1 48T #EK6661-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Canine Sex-determining region Y protein (SRY) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Canine (Canis familiaris; Dog)
Other Names	TDF; TDY; essential protein for sex determination in human males sex determining region protein sex-determining region on Y testis-determining factor
Accession No.	Q9XT60
Uniprot	Q9XT60
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.078 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Sandwich Test principle:This assay 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.

Product Overview: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.

Note: This product is for in vitro research use only