Canine Nuclear transition protein 2 (TNP2) ELISA Kit

Catalog No: #EK6125

Package Size: #EK6125-1 48T #EK6125-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Canine Nuclear transition protein 2 (TNP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Canine (Canis familiaris; Dog)
Other Names	MGC116783; MGC116785; TP2;
Accession No.	O77645
Uniprot	O77645
GeneID	479849;
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:Request Information

Sensitivity:Request Information

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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate TNP2 in samples. An antibody specific for TNP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNP2 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 TNP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TNP2 were not found in human testicular RNA or human testis cDNA libraries. Finding homologous sequences in the human genome was greatly facilitated, however, by the finding that, in the boar and bull genomes, the genes for protamine-1 (PRM1) and Prm2 are clustered with Tnp2. Schluter et al. (1992) tested a genomic human cosmid clone containing the genes for both protamines and found that the TNP2 gene was within a distance of 7.5 kb 3-prime of the PRM2 gene. The gene was transcribed in human testicular RNA only at a level demonstrable by RT-PCR and RNase protection assay. In contrast to the TNP2 genes of mouse, rat, boar, and bull, the human TNP2 gene lacks the nucleotide sequence GCCATCAC in its 3-prime UTR.

Note: This product is for in vitro research use only