

Mouse Transportin-3 (TNPO3) ELISA Kit

Catalog No: #EK6113



Package Size: #EK6113-1 48T #EK6113-2 96T

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Description

Product Name	Mouse Transportin-3 (TNPO3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	IPO12; MTR10A; TRN-SR; TRN-SR2; TRNSR; importin 12 transportin-SR
Accession No.	Q6P2B1
Uniprot	Q6P2B1
GeneID	320938;
Storage	<p>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.</p> <p>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).</p>

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 TNPO3 in samples. An antibody specific for TNPO3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNPO3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNPO3 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 TNPO3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TNPO3 is a nuclear import receptor for serine/arginine-rich (SR) proteins, which are essential precursor-mRNA splicing factors.By yeast 2-hybrid analysis using the RS domain of the E2 protein of human papillomavirus (HPV)-5 as bait, Lai et al. (2000) cloned a TNPO3 splice variant, TRNSR2, from a HeLa cell cDNA library. The deduced 923-amino acid TRNSR2 protein lacks 2 regions of about 30 amino acids each found in the TRNSR protein identified by Kataoka et al. (1999). Northern blot analysis detected ubiquitous expression of a 4.5-kb transcript, with highest expression in testis. Epitope-tagged TRNSR2 localized throughout transfected HeLa cells, but a mutant lacking the N-terminal region colocalized with splicing factor SC35 (SFRS2) in nuclear speckles.

Note: This product is for in vitro research use only