Bovine Transportin 1 ELISA Kit | TNPO1 elisa kit

Bovine Transportin 1 ELISA Kit

CATALOG #	REACTIVITY
AAA88970	**Bovine**

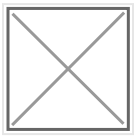
PRODUCT SYNONYMS

Transportin 1; Bovine Transportin 1 ELISA Kit; TNPO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This TNPO1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine TNPO1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNPO1 elisa kit	**Principle of the assay:** TNPO1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TNPO1 antibody and an TNPO1 -HRP conjugate. The assay sample and buffer are incubated together with TNPO1 -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 TNPO1 concentration since TNPO1 from samples and TNPO1-HRP conjugate compete for the anti-TNPO1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TNPO1 from the sample, fewer sites are left to bind TNPO1 -HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TNPO1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TNPO1 elisa kit	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	133925811
NCBI GeneID	3842
NCBI Accession #	NP_002261.3

NCBI GenBank Nucleotide #	NM_002270.3
Molecular Weight	96,901 Da
NCBI Official Full Name	transportin-1 isoform 1
NCBI Official Synonym Full Names	transportin 1
NCBI Official Symbol	TNPO1
NCBI Official Synonym Symbols	MIP; TRN; IPO2; MIP1; KPNB2
NCBI Protein Information	transportin-1; importin 2; importin beta 2; importin beta-2; karyopherin beta-2; M9 region interaction protein; karyopherin (importin) beta 2
UniProt Protein Name	Transportin-1
UniProt Gene Name	**TNPO1**
UniProt Synonym Gene Names	KPNB2; MIP1; TRN; MIP
UniProt Entry Name	TNPO1_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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