

Human Transportin 1 ELISA Kit | TNPO1 elisa kit

Human Transportin 1 (TNPO1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189977

REACTIVITY
Human

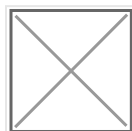
PRODUCT SYNONYMS

Transportin 1; Human Transportin 1 (TNPO1) (Sandwich ELISA) ELISA Kit; MIP1; IPO2; KPNB2; MIP; TRN; M9 region interaction protein 1; Importin 2; Karyopherin Beta 2; ELISA Kit for Transportin 1 (TNPO1); TNPO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TNPO1. No significant cross-reactivity or interference between TNPO1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.060ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TNPO1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TNPO1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TNPO1 elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TNPO1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TNPO1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TNPO1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TNPO1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TNPO1 in human tissue homogenates, cell lysates and other biological fluids.

Product Categories/Family for TNPO1 elisa kit

[Infection immunity](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	133925811
NCBI GeneID	3842
NCBI Accession #	NP_002261.3
NCBI GenBank Nucleotide #	NM_002270.3
UniProt Accession #	Q92973; Q92957; Q92975; B4DVC6
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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Online datasheet: <https://stage.aaabiotech.com/tnpo1-human-elisa-kits/transportin-1/189977>