

Human Antigen Peptide Transporter 1 (TAP1) ELISA Kit | TAP1 elisa kit

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CATALOG #
AAA66042

REACTIVITY
Human

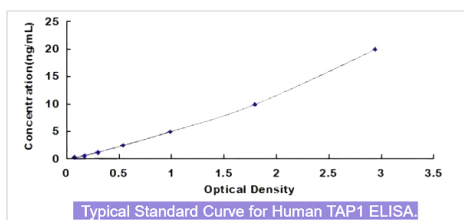
PRODUCT SYNONYMS

Antigen Peptide Transporter 1 (TAP1); Human Antigen Peptide Transporter 1 (TAP1) ELISA Kit; PDI-A4; ERP70; ERP72; Protein Disulfide Isomerase-Associated 4; TAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TAP1. No significant cross-reactivity or interference between TAP1 and analogues was observed.
Sequence Length	808
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.134ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TAP1 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 TAP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAP1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TAP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TAP1. 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 TAP1, 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 TAP1 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 the in vitro quantitative measurement of TAP1 in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9665248
NCBI GeneID	6890
NCBI Accession #	NP_000584.2
NCBI GenBank Nucleotide #	NM_000593.5
UniProt Accession #	Q03518; Q16149; Q96CP4
Molecular Weight	87,218 Da
NCBI Official Full Name	antigen peptide transporter 1 isoform 1
NCBI Official Synonym Full Names	transporter 1, ATP binding cassette subfamily B member
NCBI Official Symbol	TAP1
NCBI Official Synonym Symbols	APT1; PSF1; ABCB17; ABCB2; PSF-1; RING4; TAP1N; D6S114E; TAP1*0102N
NCBI Protein Information	antigen peptide transporter 1
UniProt Protein Name	Antigen peptide transporter 1
UniProt Gene Name	TAP1
UniProt Synonym Gene Names	ABCB2; PSF1; RING4; Y3; APT1; PSF-1

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/human-elisa-kits/antigen-peptide-transporter-1-tap1/66042>