

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

Human Antigen Peptide Transporter 1 (TAP1) ELISA Kit

CATALOG #
AAA330685

REACTIVITY
Human

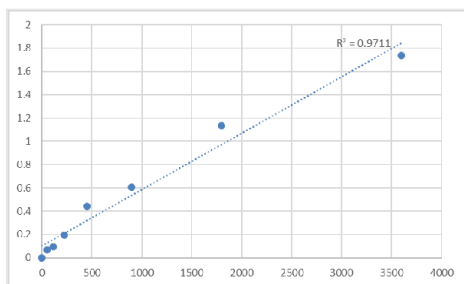
PRODUCT SYNONYMS

Antigen Peptide Transporter 1 (TAP1); Human Antigen Peptide Transporter 1 (TAP1) ELISA Kit; TAP1; DAAP-57C1.5; ABC17; ABCB2; APT1; D6S114E; FLJ26666; FLJ41500; PSF1; RING4; TAP1*0102N; TAP1N; ABC transporter; MHC 1; ATP-binding cassette; sub-family B (MDR/TAP); member 2; antigen peptide transporter; TAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Antigen peptide transporter 1 (TAP1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAP1. No significant cross-reactivity or interference between Human TAP1 and analogues was observed.
Sequence Length	808
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Antigen peptide transporter 1 (TAP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAP1 elisa kit	Description: This Human Antigen peptide transporter 1 (TAP1) ELISA Kit employs a two-site sandwich ELISA to quantitate TAP1 in samples. An antibody specific for TAP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAP1 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 TAP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: The membrane-associated protein encoded by TAP1 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). Antigen peptide transporter 1 is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. Antigen peptide transporter 1 is involved in the pumping of degraded cytosolic peptides across the endoplasmic reticulum into the membrane-bound compartment where class I molecules assemble. Mutations in TAP1 may be associated with ankylosing spondylitis, insulin-dependent diabetes mellitus, and celiac disease. Two transcript variants encoding different isoforms have been found for TAP1.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	9665248
NCBI GeneID	6890
NCBI Accession #	NP_000584.2
NCBI GenBank Nucleotide #	NP_000584.2
UniProt Accession #	Q03518
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; ABC17; 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
UniProt Entry Name	TAP1_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.