

Human Antigen peptide transporter 2 (TAP2) ELISA Kit | TAP2 elisa kit

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CATALOG #
AAA247082

REACTIVITY
Human

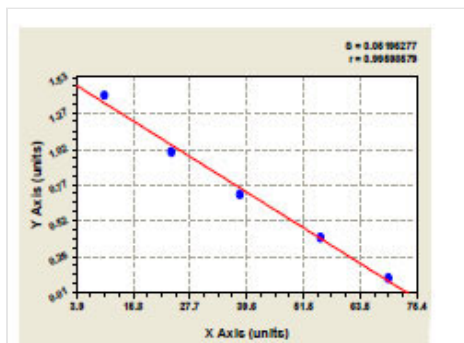
PRODUCT SYNONYMS

Antigen peptide transporter 2 (TAP2); Human Antigen peptide transporter 2 (TAP2) ELISA Kit; TAP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TAP2 elisa kit

Intended Uses: This TAP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TAP2.

Principle of the Assay: TAP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-TAP2 antibody and an TAP2-HRP conjugate. The assay sample and buffer are incubated together with TAP2-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 TAP2 concentration since TAP2 from samples and TAP2-HRP conjugate compete for the anti-TAP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TAP2 from the sample, fewer sites are left to bind TAP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TAP2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	73747915
NCBI GeneID	6891
NCBI Accession #	NP_000535.3
NCBI GenBank Nucleotide #	NM_000544.3
Molecular Weight	72,003 Da
NCBI Official Full Name	antigen peptide transporter 2 isoform 1
NCBI Official Synonym Full Names	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
NCBI Official Symbol	TAP2
NCBI Official Synonym Symbols	APT2; PSF2; ABCB3; ABCB3; PSF-2; RING11; D6S217E
NCBI Protein Information	antigen peptide transporter 2; ABC transporter, MHC 2; peptide supply factor 2; peptide transporter PSF2; really interesting new gene 11 protein; transporter 2, ABC (ATP binding cassette); peptide transporter involved in antigen processing 2; ATP-binding cassette, sub-family B (MDR/TAP), member 3
UniProt Protein Name	Antigen peptide transporter 2
UniProt Gene Name	TAP2
UniProt Synonym Gene Names	ABCB3; PSF2; RING11; Y1; APT2; PSF-2
UniProt Entry Name	TAP2_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.