

Human Thymidine Kinase ELISA Kit | TK elisa kit

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CATALOG #
AAA96803

REACTIVITY
Human

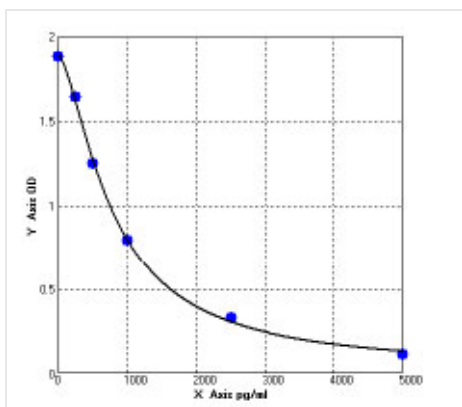
PRODUCT SYNONYMS

Thymidine Kinase; Human Thymidine Kinase ELISA Kit; TK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TK elisa kit

Intended Uses: This TJP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine TJP1. This ELISA kit for research use only!

Principle of the Assay: TJP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TJP1 antibody and an TJP1-HRP conjugate. The assay sample and buffer are incubated together with TJP1-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 TJP1 concentration since TJP1 from samples and TJP1-HRP conjugate compete for the anti-TJP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TJP1 from the sample, fewer sites are left to bind TJP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TJP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	202079
NCBI GeneID	21877
Molecular Weight	25,776 Da
NCBI Official Full Name	thymidine kinase
NCBI Official Synonym Full Names	thymidine kinase 1
NCBI Official Symbol	Tk1
NCBI Official Synonym Symbols	Tk-1; Tk1a; Tk1b; D530002A18Rik
NCBI Protein Information	thymidine kinase, cytosolic
UniProt Protein Name	Thymidine kinase, cytosolic
UniProt Gene Name	Tk1
UniProt Synonym Gene Names	Tk-1
UniProt Entry Name	KITH_MOUSE

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/tk-human-elisa-kits/thymidine-kinase/96803>