

Human TK1 (Thymidine Kinase 1, Soluble) CLIA Kit | TK1 clia kit

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CATALOG #
AAA171305

REACTIVITY
Human

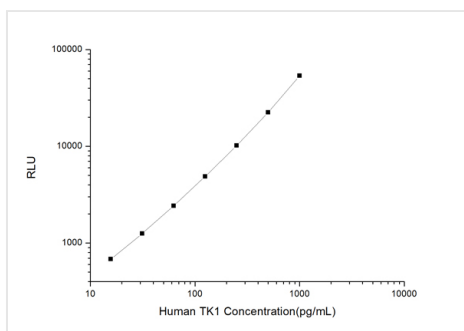
PRODUCT SYNONYMS

TK1 (Thymidine Kinase 1; Soluble); Human TK1 (Thymidine Kinase 1; Soluble) CLIA Kit; TK1; TK1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant TK1. No significant cross-reactivity or interference between TK1 and analogues was observed.
Sequence Length	234
Assay Type	Sandwich
Detection Range	15.625-1000pg/mL
Sensitivity	Min: 9.375pg/mL; Max: 1000pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TK1 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of TK1 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to TK1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for TK1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain TK1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of TK1. You can calculate the concentration of TK1 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	52632392
NCBI GeneID	7083
Molecular Weight	25,469 Da
NCBI Official Full Name	Thymidine kinase 1, soluble
NCBI Official Synonym Full Names	thymidine kinase 1, soluble
NCBI Official Symbol	TK1
NCBI Official Synonym Symbols	TK2
NCBI Protein Information	thymidine kinase, cytosolic
UniProt Protein Name	Thymidine kinase, cytosolic
UniProt Gene Name	TK1
UniProt Entry Name	KITH_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/human-clia-kits/tk1-thymidine-kinase-1-soluble/171305>