

Canine Thymidine Kinase ELISA Kit | TK elisa kit

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CATALOG #
AAA95782

REACTIVITY
Canine

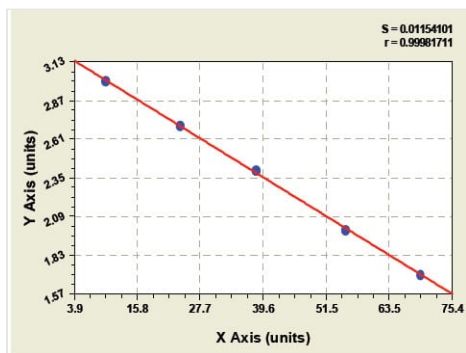
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This TK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TK. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TK elisa kit

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

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tk-canine-elisa-kits/thymidine-kinase/95782>