

Mouse IL2 Inducible T-Cell Kinase (ITK) ELISA Kit | ITK elisa kit

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CATALOG #
AAA64416

REACTIVITY
Mouse

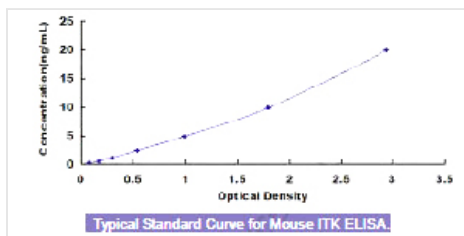
PRODUCT SYNONYMS

IL2 Inducible T-Cell Kinase (ITK); Mouse IL2 Inducible T-Cell Kinase (ITK) ELISA Kit; PSCTK2; EMT; LYK; T-cell-specific kinase; Tyrosine-protein kinase Lyk; ITK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ITK. No significant cross-reactivity or interference between ITK and analogues was observed.
Sequence Length	625
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.107ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ITK were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ITK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITK elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITK in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ITK. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ITK. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ITK, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ITK in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	530354648
NCBI GeneID	16428
NCBI Accession #	NP_001268894.1
NCBI GenBank Nucleotide #	NM_001281965.1
UniProt Accession #	Q03526
Molecular Weight	72,292 Da
NCBI Official Full Name	tyrosine-protein kinase ITK/TSK isoform 1
NCBI Official Synonym Full Names	IL2 inducible T cell kinase
NCBI Official Symbol	Itk
NCBI Official Synonym Symbols	Emt; Tsk; Tcsk
NCBI Protein Information	tyrosine-protein kinase ITK/TSK
UniProt Protein Name	Tyrosine-protein kinase ITK/TSK
UniProt Gene Name	Itk
UniProt Synonym Gene Names	Emt; Tlk; Tsk

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/mouse-elisa-kits/il2-inducible-t-cell-kinase-itk/64416>