

Human IL2 Inducible T-Cell Kinase ELISA Kit | ITK elisa kit

Human IL2 Inducible T-Cell Kinase (ITK) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190010

REACTIVITY
Human

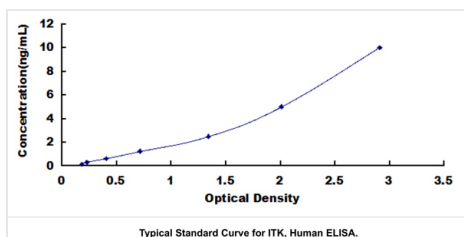
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.063ng/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	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ITK elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ITK. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ITK in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ITK elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	585361
NCBI GeneID	3702
UniProt Accession #	Q08881; Q32ML7; B2R752
Molecular Weight	620
NCBI Official Full Name	Tyrosine-protein kinase ITK/TSK
NCBI Official Synonym Full Names	IL2-inducible T-cell kinase
NCBI Official Symbol	ITK
NCBI Official Synonym Symbols	EMT; LYK; LPFS1; PSCTK2
NCBI Protein Information	tyrosine-protein kinase ITK/TSK; kinase EMT; T-cell-specific kinase; tyrosine-protein kinase LYK; IL-2-inducible T cell kinase; IL-2-inducible T-cell kinase; homolog of mouse T-cell itk/tsk; interleukin-2-inducible T cell kinase; interleukin-2-inducible T
UniProt Protein Name	Tyrosine-protein kinase ITK/TSK
UniProt Gene Name	ITK
UniProt Synonym Gene Names	EMT; LYK; IL-2-inducible T-cell kinase
UniProt Entry Name	ITK_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.