

Human ITK (Tyrosine-protein kinase ITK/TSK) ELISA Kit | ITK elisa kit

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CATALOG #
AAA250292

REACTIVITY
Human

PRODUCT SYNONYMS

ITK (Tyrosine-protein kinase ITK/TSK); Human ITK (Tyrosine-protein kinase ITK/TSK) ELISA Kit; Tyrosine-protein kinase ITK/TSK; Interleukin-2-inducible T-cell kinase; IL-2-inducible T-cell kinase; Kinase EMT; T-cell-specific kinase; Tyrosine-protein kinase Lyk; EMT; LYK; 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	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for ITK elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/itk-tyrosine-protein-kinase-itk-tsk/250292>