

Human Megakaryocyte-Associated Tyrosine-Protein Kinase (MATK) ELISA Kit | MATK elisa kit

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CATALOG # AAA331861	REACTIVITY Human
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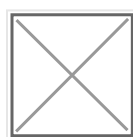
PRODUCT SYNONYMS

Megakaryocyte-Associated Tyrosine-Protein Kinase (MATK); Human Megakaryocyte-Associated Tyrosine-Protein Kinase (MATK) ELISA Kit; MATK; CHK; CTK; DKFZp434N1212; HHYLTk; HYL; HYLTk; Lsk; MGC1708; MGC2101; Csk-homologous kinase; Csk-type protein tyrosine kinase; HYL tyrosine kinase; hematopoietic consensus tyrosine-lacking kinase; hydroxy; MATK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Megakaryocyte-associated tyrosine-protein kinase (MATK) ELISA Kit has high sensitivity and excellent specificity for detection of Human MATK. No significant cross-reactivity or interference between Human MATK and analogues was observed.
Sequence Length	508
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Megakaryocyte-associated tyrosine-protein kinase (MATK) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MATK elisa kit	Description: This Human Megakaryocyte-associated tyrosine-protein kinase (MATK) ELISA Kit employs a two-site sandwich ELISA to quantitate MATK in samples. An antibody specific for MATK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MATK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MATK is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MATK bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MATK is an enzyme that has amino acid sequence similarity to Csk tyrosine kinase and has the structural features of the CSK subfamily: SRC homology SH2 and SH3 domains, a catalytic domain, a unique N terminus, lack of myristylation signals, lack of a negative regulatory phosphorylation site, and lack of an autophosphorylation site. This protein is thought to play a significant role in the signal transduction of hematopoietic cells. It is able to phosphorylate and inactivate Src family kinases, and may play an inhibitory role in the control of T-cell proliferation. This protein might be involved in signaling in some cases of breast cancer. Three alternatively spliced transcript variants that encode different isoforms have been described for this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21450842
NCBI GeneID	4145
NCBI Accession #	NP_002369.2
NCBI GenBank Nucleotide #	NP_002369.2
UniProt Accession #	P42679
NCBI Official Full Name	megakaryocyte-associated tyrosine-protein kinase isoform b
NCBI Official Synonym Full Names	megakaryocyte-associated tyrosine kinase
NCBI Official Symbol	MATK
NCBI Official Synonym Symbols	CHK; CTK; HYL; Lsk; HYLTK; HHYLTK
NCBI Protein Information	megakaryocyte-associated tyrosine-protein kinase
UniProt Protein Name	Megakaryocyte-associated tyrosine-protein kinase
UniProt Gene Name	MATK
UniProt Synonym Gene Names	CTK; HYL; CHK
UniProt Entry Name	MATK_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-elisa-kits/megakaryocyte-associated-tyrosine-protein-kinase-matk/331861>