

Human Serine/Threonine Kinase 39 (STK39) ELISA Kit | STK39 elisa kit

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CATALOG #
AAA140124

REACTIVITY
Human

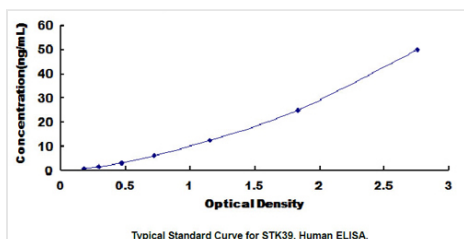
PRODUCT SYNONYMS

Serine/Threonine Kinase 39 (STK39); Human Serine/Threonine Kinase 39 (STK39) ELISA Kit; DCHT; SPAK; STE20/SPS1-related proline-alanine-rich protein kinase; STK39 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Serine/Threonine Kinase 39 (STK39). No significant cross-reactivity or interference between Serine/Threonine Kinase 39 (STK39) and analogues was observed.
Sequence Length	526
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.060ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Serine/Threonine Kinase 39 (STK39) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Serine/Threonine Kinase 39 (STK39) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STK39 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Serine/Threonine Kinase 39 (STK39). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Serine/Threonine Kinase 39 (STK39). 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 Serine/Threonine Kinase 39 (STK39), 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 Serine/Threonine Kinase 39 (STK39) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for STK39 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	119631709
NCBI GeneID	27347
UniProt Accession #	Q9UEW8; O14774; Q53S90; Q53SL7; Q53SS1; Q9UER4; X5D9C8
Molecular Weight	57,937 Da
NCBI Official Full Name	serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
NCBI Official Synonym Full Names	serine threonine kinase 39
NCBI Official Symbol	STK39
NCBI Official Synonym Symbols	DCHT; PASK; SPAK
NCBI Protein Information	STE20/SPS1-related proline-alanine-rich protein kinase
UniProt Protein Name	STE20/SPS1-related proline-alanine-rich protein kinase
UniProt Gene Name	STK39
UniProt Synonym Gene Names	SPAK; Ste-20-related kinase
UniProt Entry Name	STK39_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/serine-threonine-kinase-39-stk39/140124>