

Mouse Serine/Threonine Kinase 11 (STK11) ELISA Kit | STK11 elisa kit

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CATALOG #
AAA129665

REACTIVITY
Mouse

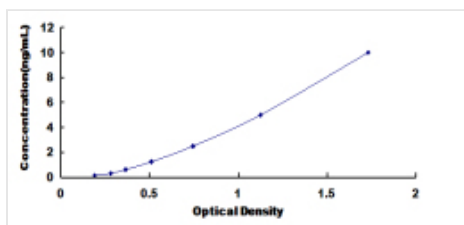
PRODUCT SYNONYMS

Serine/Threonine Kinase 11 (STK11); Mouse Serine/Threonine Kinase 11 (STK11) ELISA Kit; LKB1; PJS; Polarization-Related Protein LKB1; Peutz-Jeghers Syndrome; Liver kinase B1; Renal carcinoma antigen NY-REN-19; STK11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Serine/Threonine Kinase 11 (STK11). No significant cross-reactivity or interference between Serine/Threonine Kinase 11 (STK11) and analogues was observed.
Sequence Length	433
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.051ng/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 11 (STK11) 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 11 (STK11) 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 STK11 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 11 (STK11). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Serine/Threonine Kinase 11 (STK11). 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 11 (STK11), 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 11 (STK11) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for STK11 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	17939640
NCBI GeneID	6794
UniProt Accession #	Q15831; B2RBX7; E7EW76
Molecular Weight	45,387 Da
NCBI Official Full Name	Serine/threonine kinase 11
NCBI Official Synonym Full Names	serine/threonine kinase 11
NCBI Official Symbol	STK11
NCBI Official Synonym Symbols	PJS; LKB1; hLKB1
NCBI Protein Information	serine/threonine-protein kinase STK11
UniProt Protein Name	Serine/threonine-protein kinase STK11
UniProt Gene Name	STK11
UniProt Synonym Gene Names	LKB1; PJS; LKB1; hLKB1
UniProt Entry Name	STK11_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/mouse-elisa-kits/serine-threonine-kinase-11-stk11/129665>