

Human, Mouse LKB1 ELISA Kit | LKB1 elisa kit

LKB1 Colorimetric Cell-Based ELISA Kit

CATALOG # AAA315544	REACTIVITY Human, Mouse
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PRODUCT SYNONYMS

LKB1; LKB1 Colorimetric Cell-Based ELISA Kit; Serine/threonine-protein kinase LKB1; Renal carcinoma antigen NY-REN-19; LKB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Form/Format	One 96-Well Plate
Sequence Length	433
Samples	Researchers plate their cell line of choice
Assay Type	Non-Phospho Cell-Based ELISA
Sensitivity	>=5000 cells/well
Detection Method	Colorimetric 450 nm
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for LKB1 elisa kit	Background: The Colorimetric Cell-Based ELISA Kit allows for the detection of various target proteins and the effects that certain stimulation conditions have on target protein expression in different cell lines. Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, the target protein is captured by target-specific primary (1 degree) antibodies while the HRP-conjugated secondary (2 degree) antibodies bind the Fc region of the 1 degree antibody. Through this binding, the HRP enzyme conjugated to the 2 degree antibody can catalyze a colorimetric reaction upon substrate addition. Due to the qualitative nature of the Cell-Based ELISA, multiple normalization methods are described: 1) a monoclonal antibody specific for human GAPDH is included to serve as an internal positive control in normalizing the target absorbance values. 2) Following the colorimetric measurement of HRP activity via substrate addition, the Crystal Violet whole-cell staining method is used to determine cell density. After staining, the results can be analyzed by normalizing the absorbance values to cell amounts, by which the plating difference can be adjusted. 3) If a phosphorylated target is being detected, an antibody against the non-phosphorylated counterpart will be provided for normalization purposes. The absorbance values obtained for the non-phosphorylated target can be used to normalize the absorbance values for the phosphorylated target.
Product Categories/Family for LKB1 elisa kit	Cell Based ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507271
NCBI GeneID	6794
NCBI Accession #	NP_000446.1
NCBI GenBank Nucleotide #	NM_000455.4
UniProt Accession #	Q15831; B2RBX7; E7EW76

Molecular Weight	48636
NCBI Official Full Name	serine/threonine-protein kinase STK11
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

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-mouse-elisa-kits/lkb1/315544>