

Tuberin/TSC2 ELISA Kit | TSC2 elisa kit

Phospho-Tuberin/TSC2 (Ser939) Colorimetric Cell-Based ELISA Kit

CATALOG #
AAA315574

REACTIVITY
Human, Mouse, Rat

PRODUCT SYNONYMS

Tuberin/TSC2; Phospho-Tuberin/TSC2 (Ser939) Colorimetric Cell-Based ELISA Kit; TSC2; tuberous sclerosis 2 gene; Tuberous sclerosis 2 homolog protein; Tuberous sclerosis 2 protein; TSC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Form/Format	Two 96-Well Plates
Sequence Length	1807
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for TSC2 elisa kit	Background/Introduction: 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 TSC2 elisa kit	Cell Based ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256352
NCBI GeneID	7249
NCBI Accession #	NP_000539.2
NCBI GenBank Nucleotide #	NM_000548.4
UniProt Accession #	P49815 ; O75275 ; Q4LE71 ; Q8TAZ1 ; A7E2E2 ; B4DIL8 ; B4DIQ7 ; B4DRN2 ; B7Z2B8 ; C9J378
Molecular Weight	200749
NCBI Official Full Name	tuberin isoform 1
NCBI Official Synonym Full Names	TSC complex subunit 2

NCBI Official Symbol	TSC2
NCBI Official Synonym Symbols	LAM; TSC4; PPP1R160
NCBI Protein Information	tuberin
UniProt Protein Name	Tuberin
UniProt Gene Name	TSC2
UniProt Synonym Gene Names	TSC4

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-mouse-rat-elisa-kits/tuberin-tsc2/315574>