

Human MYT1 ELISA Kit | MYT1 elisa kit

MYT1 Colorimetric Cell-Based ELISA Kit

CATALOG #
AAA30732

REACTIVITY
Human

PRODUCT SYNONYMS

MYT1; MYT1 Colorimetric Cell-Based ELISA Kit; Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase; Myt1 kinase; PKMYT1; MYT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Anti-MYT1 Antibody is a rabbit polyclonal antibody. It was tested on Western Blots for specificity. The data in Figure 2 shows that a single protein band was detected. This protein band can be blocked by the synthesized immunogen peptide.
Form/Format	One 96-Well Plate
Sequence Length	430
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 MYT1 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 wholecell 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 nonphosphorylated 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. Principle of the Assay: The MYT1 Cell-Based ELISA Kit is a convenient, lysate-free, high throughput and sensitive assay kit that can monitor MYT1 protein expression profile in cells. The kit can be used for measuring the relative amounts of MYT1 in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on MYT1.
Product Categories/Family for MYT1 elisa kit	Cell Based ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	386642875
NCBI GeneID	9088
NCBI Accession #	NP_001245379.1
NCBI GenBank Nucleotide #	NM_001258450.1
UniProt Accession #	Q99640; O14731; Q7LE24; Q8TCM9; B3KUN8; B4DXD4; D3DUA4; F8W164; I3L1V2
Molecular Weight	54521
NCBI Official Full Name	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase isoform 3
NCBI Official Synonym Full Names	protein kinase, membrane associated tyrosine/threonine 1
NCBI Official Symbol	PKMYT1
NCBI Official Synonym Symbols	MYT1; PPP1R126
NCBI Protein Information	membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase
UniProt Protein Name	Membrane-associated tyrosine- and threonine-specific cdc2-inhibitory kinase
UniProt Gene Name	PKMYT1
UniProt Synonym Gene Names	MYT1

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-elisa-kits/myt1/30732>