

Mouse Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform ELISA Kit | Pik3ca elisa kit

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CATALOG #
AAA99824

REACTIVITY
Mouse

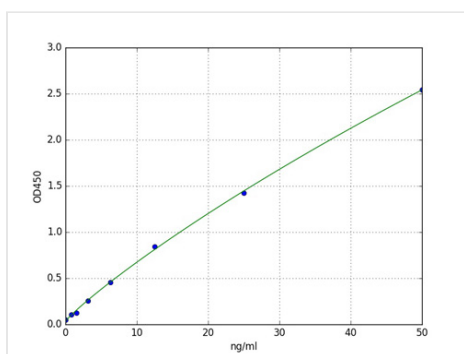
PRODUCT SYNONYMS

Phosphatidylinositol-4; 5-bisphosphate 3-kinase catalytic subunit alpha isoform; Mouse Phosphatidylinositol-4; 5-bisphosphate 3-kinase catalytic subunit alpha isoform ELISA Kit; Pik3c/Phosphatidylinositol-4; 5-bisphosphate 3-kinase catalytic subunit alpha isoform/PI3K-alpha/PI3Kalpha/PtdIns-3-kinase subunit alpha/Phosphatidylinositol-4; 5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha/PtdIns-3-kinase subunit p110-alpha/p110alpha/Phosphoinositide-3-kinase catalytic alpha polypeptide; Pik3ca elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	1065
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Mouse Pik3ca ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.045	0.110	0.140	0.253	0.478	0.853	1.809	2.203

ADDITIONAL INFORMATION

Related Product Information for Pik3ca elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse Pik3ca antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Pik3ca antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse Pik3ca amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Pik3ca can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187607372
NCBI GeneID	100144924
NCBI Accession #	NP_001119972.1
NCBI GenBank Nucleotide #	NM_001126500.1
NCBI Official Full Name	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform
NCBI Official Synonym Full Names	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
NCBI Official Symbol	pik3ca
NCBI Official Synonym Symbols	pi3k; pi3-k; PI3-kinase; PI3K-alpha
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform

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/pik3ca-mouse-elisa-kits/phosphatidylinositol-45-bisphosphate-3-kinase-catalytic-subunit-alpha-isoform/99824>