

Human PI3K ELISA Kit | PI3K elisa kit

Human PI3K (Phosphoinositide-3-Kinase) ELISA Kit

CATALOG #
AAA164516

REACTIVITY
Human

PRODUCT SYNONYMS

PI3K; Human PI3K (Phosphoinositide-3-Kinase) ELISA Kit; PI3K elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human PI3K in samples. No significant cross-reactivity or interference between Human PI3K and analogues was observed.
Sequence Length	1102
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.09ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human PI3K were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human PI3K were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for PI3K elisa kit

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human PI3K. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human PI3K and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human PI3K, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The OD value is proportional to the concentration of Human PI3K. You can calculate the concentration of Human PI3K in the samples by comparing the OD of the samples to the standard curve.

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human PI3K concentrations in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	539846764
NCBI GeneID	5294
NCBI Accession #	NP_001269356.1

NCBI GenBank Nucleotide #	NM_001282427.1
UniProt Accession #	P48736; Q8IV23; Q9BZC8; A4D0Q6
Molecular Weight	126,454 Da
NCBI Official Full Name	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
NCBI Official Synonym Full Names	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma
NCBI Official Symbol	PIK3CG
NCBI Official Synonym Symbols	PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform; 1-phosphatidylinositol 3-kinase; PI3-kinase subunit gamma; phosphatidylinositol 3 kinase gamma, p110 gamma; phosphatidylinositol 3-kinase catalytic 110-kD gamma; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform; phosphoinositide-3-kinase gamma catalytic subunit; ptdIns-3-kinase subunit gamma; ptdIns-3-kinase subunit p110-gamma; serine/threonine protein kinase PIK3CG
UniProt Protein Name	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
UniProt Gene Name	PIK3CG
UniProt Synonym Gene Names	PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; PtdIns-3-kinase subunit p110-gamma; p110gamma
UniProt Entry Name	PK3CG_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/human-elisa-kits/pi3k/164516>