

Human 1 phosphatidylinositol 3 phosphate 5 kinase (PIP5K3) ELISA Kit | PIKFYVE elisa kit

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CATALOG # AAA244463	REACTIVITY Human
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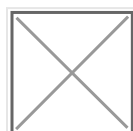
PRODUCT SYNONYMS

1 phosphatidylinositol 3 phosphate 5 kinase (PIP5K3); Human 1 phosphatidylinositol 3 phosphate 5 kinase (PIP5K3) ELISA Kit; PIKFYVE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PIP5K3. No significant cross-reactivity or interference between PIP5K3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PIP5K3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIKFYVE elisa kit	Principle of the Assay: PIP5K3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PIP5K3 antibody and an PIP5K3-HRP conjugate. The assay sample and buffer are incubated together with PIP5K3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PIP5K3 concentration since PIP5K3 from samples and PIP5K3-HRP conjugate compete for the anti-PIP5K3 antibody binding site. Since the number of sites is limited, as more sites are occupied by PIP5K3 from the sample, fewer sites are left to bind PIP5K3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PIP5K3 concentration in each sample is interpolated from this standard curve. Intended Uses: This PIP5K3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PIP5K3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for PIKFYVE elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	22749359
NCBI GeneID	200576
NCBI Accession #	NP_689884.1
NCBI GenBank Nucleotide #	NM_152671.3
Molecular Weight	61,595 Da
NCBI Official Full Name	1-phosphatidylinositol 3-phosphate 5-kinase isoform 3
NCBI Official Synonym Full Names	phosphoinositide kinase, FYVE finger containing
NCBI Official Symbol	PIKFYVE
NCBI Official Synonym Symbols	CFD; FAB1; HEL37; PIP5K; PIP5K3; ZFYVE29
NCBI Protein Information	1-phosphatidylinositol 3-phosphate 5-kinase; PIPkin-III; type III PIP kinase; epididymis luminal protein 37; zinc finger, FYVE domain containing 29; 1-phosphatidylinositol-3-phosphate 5-kinase; phosphatidylinositol 3-phosphate 5-kinase type III; phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III
UniProt Protein Name	1-phosphatidylinositol 3-phosphate 5-kinase
UniProt Gene Name	PIKFYVE
UniProt Synonym Gene Names	KIAA0981; PIP5K3; Phosphatidylinositol 3-phosphate 5-kinase; PIPkin-III; Type III PIP kinase
UniProt Entry Name	FYV1_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/1-phosphatidylinositol-3-phosphate-5-kinase-pip5k3/244463>