

Human Phosphoinositide Kinase, FYVE Finger Containing ELISA Kit | PIKFYVE elisa kit

Human Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189971

REACTIVITY
Human

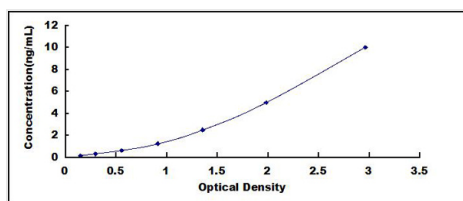
PRODUCT SYNONYMS

Phosphoinositide Kinase; FYVE Finger Containing; Human Phosphoinositide Kinase; FYVE Finger Containing (PIKFYVE) (Sandwich ELISA) ELISA Kit; PIP5K3; CFD; PIP5K; PIKfyve; p235; Phosphatidylinositol-3-Phosphate/Phosphatidylinositol 5-Kinase; Type III; 1-phosphatidylinositol 3-phosphate 5-kinase; ELISA Kit for Phosphoinositide Kinase; FYVE Finger Containing (PIKFYVE); PIKFYVE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE). No significant cross-reactivity or interference between Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE) and analogues was observed. Reactive with Human PIKFYVE / Phosphoinositide Kinase, FYVE Finger Containing
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for PIKFYVE ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for PIKFYVE elisa kit	Principle of the Assay The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Phosphoinositide Kinase, FYVE Finger Containing (PIKFYVE) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PIKFYVE elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	295789162
NCBI GeneID	200576
NCBI Accession #	NP_001171471.1
NCBI GenBank Nucleotide #	NM_001178000.1
UniProt Accession #	Q9Y2I7; Q08AR7; Q08AR8; Q53ST3; Q53T36; Q8N5H0; Q8NB67
Molecular Weight	237,136 Da
NCBI Official Full Name	1-phosphatidylinositol 3-phosphate 5-kinase isoform 4
NCBI Official Synonym Full Names	phosphoinositide kinase, FYVE finger containing
NCBI Official Symbol	PIKFYVE
NCBI Official Synonym Symbols	CFD; FAB1; PIP5K; PIP5K3; ZFYVE29
NCBI Protein Information	1-phosphatidylinositol 3-phosphate 5-kinase; PIPkin-III; type III PIP kinase; zinc finger, FYVE domain containing 29; 1-phosphatidylinositol-3-phosphate 5-kinase; phosphatidylinositol 3-phosphate 5-kinase type III; phosphatidylinositol-3-phosphate/phospha
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
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/pikfyve-human-elisa-kits/phosphoinositide-kinase-fyve-finger-containing/189971>