

Chicken Phosphotylinosital 3 kinase ELISA Kit | P13K elisa kit

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CATALOG #
AAA96174

REACTIVITY
Chicken

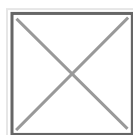
PRODUCT SYNONYMS

Phosphotylinosital 3 kinase; Chicken Phosphotylinosital 3 kinase ELISA Kit; P13K elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1ng/mL.
Intended Uses	This P3K ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken P3K. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P13K elisa kit	Principle of the assay: P3K ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-P3K antibody and an P3K-HRP conjugate. The assay sample and buffer are incubated together with P3K-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 P3K concentration since P3K from samples and P3K-HRP conjugate compete for the anti-P3K antibody binding site. Since the number of sites is limited, as more sites are occupied by P3K from the sample, fewer sites are left to bind P3K-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P3K concentration in each sample is interpolated from this standard curve.
Product Categories/Family for P13K elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	118572681
NCBI GeneID	5295
Molecular Weight	42,838 Da

NCBI Official Full Name	Phosphatidylinositol 3-kinase regulatory subunit alpha
NCBI Official Synonym Full Names	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
NCBI Official Symbol	PIK3R1
NCBI Official Synonym Symbols	p85; AGM7; GRB1; IMD36; p85-ALPHA
NCBI Protein Information	phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; ptdIns-3-kinase regulatory subunit alpha; phosphoinositide-3-kinase regulatory subunit; phosphatidylinositol 3-kinase-associated p-85 alpha; phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)
UniProt Protein Name	Phosphatidylinositol 3-kinase regulatory subunit alpha
UniProt Gene Name	PIK3R1
UniProt Synonym Gene Names	GRB1; PI3-kinase regulatory subunit alpha; PI3K regulatory subunit alpha; PtdIns-3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PtdIns-3-kinase regulatory subunit p85-alpha
UniProt Entry Name	P85A_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/p13k-chicken-elisa-kits/phosphotylinosital-3-kinase/96174>