

Canine Phosphotylinosital 3 kinase ELISA Kit | P13K elisa kit

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CATALOG #
AAA94391

REACTIVITY
Canine

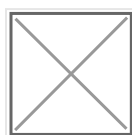
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PI3K ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PI3K. 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: PI3K ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PI3K antibody and an PI3K-HRP conjugate. The assay sample and buffer are incubated together with PI3K-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 PI3K concentration since PI3K from samples and PI3K-HRP conjugate compete for the anti-PI3K antibody binding site. Since the number of sites is limited, as more sites are occupied by PI3K from the sample, fewer sites are left to bind PI3K-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PI3K concentration in each sample is interpolated from this standard curve.

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-canine-elisa-kits/phosphotylinosital-3-kinase/94391>