

Rat Integrin Linked Kinase 1 ELISA Kit | ILK-1 elisa kit

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CATALOG #
AAA81873

REACTIVITY
Rat

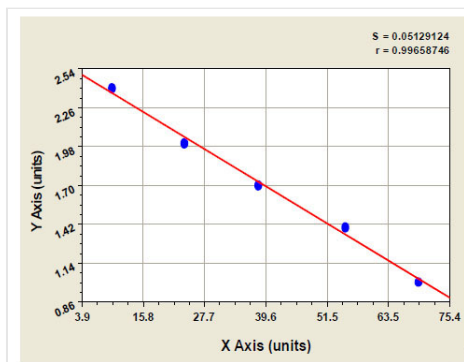
PRODUCT SYNONYMS

Integrin Linked Kinase 1; Rat Integrin Linked Kinase 1 ELISA Kit; ILK-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This ILK-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ILK-1. 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 ILK-1 elisa kit

Principle of the assay: ILK-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ILK-1 antibody and an ILK-1-HRP conjugate. The assay sample and buffer are incubated together with ILK-1-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 ILK-1 concentration since ILK-1 from samples and ILK-1-HRP conjugate compete for the anti-ILK-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ILK-1 from the sample, fewer sites are left to bind ILK-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ILK-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	9408115
NCBI GeneID	3611
UniProt Accession #	Q13418; P57043; Q68DZ3; B7Z418; D3DQU0
Molecular Weight	44,349 Da
NCBI Official Full Name	integrin-linked kinase 1
NCBI Official Synonym Full Names	integrin-linked kinase
NCBI Official Symbol	ILK
NCBI Official Synonym Symbols	P59; ILK-1; ILK-2; p59ILK; HEL-S-28
NCBI Protein Information	integrin-linked protein kinase; integrin-linked kinase-2; epididymis secretory protein Li 28; 59 kDa serine/threonine-protein kinase
UniProt Protein Name	Integrin-linked protein kinase
UniProt Gene Name	ILK
UniProt Synonym Gene Names	ILK1; ILK2
UniProt Entry Name	ILK_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/ilk-1-rat-elisa-kits/integrin-linked-kinase-1/81873>