

Rat Focal Adhesion Kinase ELISA Kit | FAK elisa kit

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CATALOG #
AAA83121

REACTIVITY
Rat

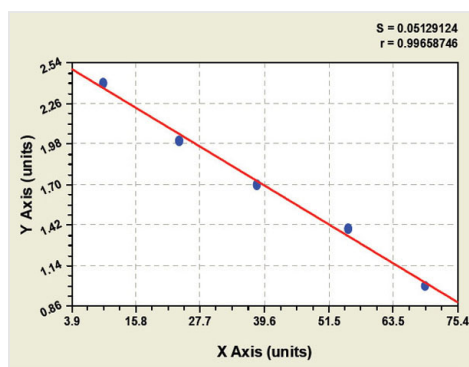
PRODUCT SYNONYMS

Focal Adhesion Kinase; Rat Focal Adhesion Kinase ELISA Kit; FAK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FAK elisa kit

Intended Uses: This FAK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat FAK. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	439875
NCBI GeneID	5747
Molecular Weight	39,874 Da
NCBI Official Full Name	focal adhesion kinase
NCBI Official Synonym Full Names	protein tyrosine kinase 2
NCBI Official Symbol	PTK2
NCBI Official Synonym Symbols	FAK; FADK; FAK1; FRNK; PPP1R71; p125FAK; pp125FAK
NCBI Protein Information	focal adhesion kinase 1; FADK 1; PTK2 protein tyrosine kinase 2; FAK-related non-kinase polypeptide; focal adhesion kinase isoform FAK-Del33; focal adhesion kinase-related nonkinase; protein phosphatase 1 regulatory subunit 71; protein phosphatase 1, regulatory subunit 71
UniProt Protein Name	Focal adhesion kinase 1
UniProt Gene Name	PTK2
UniProt Synonym Gene Names	FAK; FAK1; FADK 1; FRNK; PPP1R71
UniProt Entry Name	FAK1_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/fak-rat-elisa-kits/focal-adhesion-kinase/83121>