

Rat Focal Adhesion Kinase (FAK) ELISA Kit | FAK elisa kit

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CATALOG #
AAA68144

REACTIVITY
Rat

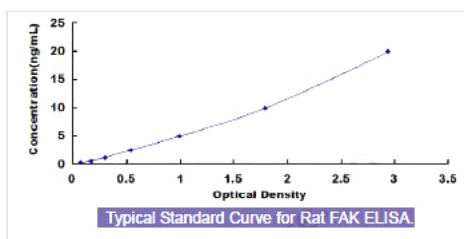
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FAK. No significant cross-reactivity or interference between FAK and analogues was observed.
Sequence Length	363
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FAK were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FAK were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FAK elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FAK in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FAK. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FAK. 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 FAK, 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 FAK in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6981440
NCBI GeneID	25614
NCBI Accession #	NP_037213.1
NCBI GenBank Nucleotide #	NM_013081.2
UniProt Accession #	O35346; Q62900
Molecular Weight	40,409 Da
NCBI Official Full Name	focal adhesion kinase 1
NCBI Official Synonym Full Names	protein tyrosine kinase 2
NCBI Official Symbol	Ptk2
NCBI Official Synonym Symbols	FAK; FRNK; p125FAK
NCBI Protein Information	focal adhesion kinase 1
UniProt Protein Name	Focal adhesion kinase 1
UniProt Gene Name	Ptk2
UniProt Synonym Gene Names	Fak; Fak1; FADK 1; FRNK

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.