

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

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CATALOG #
AAA331244

REACTIVITY
Human

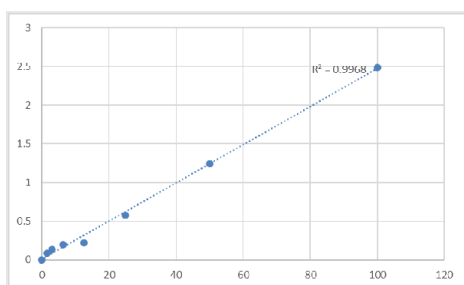
PRODUCT SYNONYMS

Focal Adhesion Kinase (FAK); Human Focal Adhesion Kinase (FAK) ELISA Kit; PTK2; FADK; FAK1; FRNK; pp125FAK; FAK-related non-kinase polypeptide; focal adhesion kinase 1; FAK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Focal adhesion kinase (FAK) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTK2. No significant cross-reactivity or interference between Human PTK2 and analogues was observed.
Sequence Length	1065
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Focal adhesion kinase (FAK) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for FAK elisa kit	Description: This Human Focal adhesion kinase (FAK) ELISA Kit employs a two-site sandwich ELISA to quantitate PTK2 in samples. An antibody specific for PTK2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTK2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTK2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTK2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PTK2 is a focal adhesion-associated protein kinase involved in cellular adhesion and spreading processes. It has been shown that when FAK was blocked, breast cancer cells became less metastatic due to decreased mobility.FAK is a 125 Kd protein that is recruited as a participant in focal adhesion dynamics between cells and has a role in motility and cell survival. FAK is a highly conserved, non-receptor tyrosine kinase originally identified as a substrate for the oncogene protein tyrosine kinase v-src. This cytosolic kinase has been implicated in diverse cellular roles including cell locomotion, mitogen response and cell survival. FAK is typically located at structures known as focal adhesions, these are multi-protein structures that link the extracellular matrix (ECM) to the cytoplasmic cytoskeleton.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313851044
NCBI GeneID	5747
NCBI Accession #	NP_001186578.1
NCBI GenBank Nucleotide #	NP_001186578.1
UniProt Accession #	Q05397
NCBI Official Full Name	focal adhesion kinase 1 isoform c
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
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/human-elisa-kits/focal-adhesion-kinase-fak/331244>