

Human Protein-tyrosine kinase 6 (PTK6) ELISA Kit

Catalog No: #EK7987



Package Size: #EK7987-1 48T #EK7987-2 96T

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Description

Product Name	Human Protein-tyrosine kinase 6 (PTK6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BRK; FLJ42088; breast tumor kinase protein-tyrosine kinase BRK
Accession No.	Q13882
Uniprot	Q13882
GeneID	5753;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:1.56-100 ng/mL

Sensitivity:0.78 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PTK6 in samples. An antibody specific for PTK6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPTK6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTK6 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 PTK6 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Tyrosine-protein kinase 6 is a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. Overexpression of this gene in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype. Expression of this gene has been detected at low levels in some breast tumors but not in normal breast tissue. The encoded protein has been shown to undergo autophosphorylation.

The deduced 451-amino acid polypeptide sequence was composed of 3 domains: an SH3 domain, an SH2 domain, and a catalytic domain. The sequence of BRK, unlike that of SRC, does not include an N-terminal myristoylation domain.

Note: This product is for in vitro research use only