

Human Serine/threonine-protein kinase VRK1 (VRK1) ELISA Kit



Catalog No: #EK5852

Orders: order@signalwayantibody.com

Package Size: #EK5852-1 48T #EK5852-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Serine/threonine-protein kinase VRK1 (VRK1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC117401; MGC138280; MGC142070; PCH1; vaccinia virus B1R-related kinase 1
Accession No.	Q99986
Uniprot	Q99986
GeneID	7443;
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:0.156-10 ng/mL

Sensitivity:0.061 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 VRK1 in samples. An antibody specific for VRK1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyVRK1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VRK1 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 VRK1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Serine/threonine-protein kinase VRK2 is an a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. This gene is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, leukocytes, fetal liver, and carcinomas.

Its protein localizes to the endoplasmic reticulum and has been shown to phosphorylate casein and undergo autophosphorylation. While several transcript variants may exist for this gene, the full-length nature of only one has been biologically validated to date.Widely expressed. Highly expressed in fetal liver, skeletal muscle, pancreas, heart, peripheral blood leukocytes and testis.

Note: This product is for in vitro research use only