

Human Serine/Threonine-Protein Kinase VRK1 (VRK1) ELISA Kit | VRK1 elisa kit

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CATALOG #
AAA330274

REACTIVITY
Human

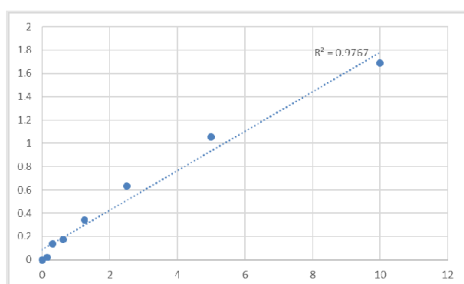
PRODUCT SYNONYMS

Serine/Threonine-Protein Kinase VRK1 (VRK1); Human Serine/Threonine-Protein Kinase VRK1 (VRK1) ELISA Kit; VRK1; MGC117401; MGC138280; MGC142070; PCH1; vaccinia virus B1R-related kinase 1; VRK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Serine/threonine-protein kinase VRK1 (VRK1) ELISA Kit has high sensitivity and excellent specificity for detection of Human VRK1. No significant cross-reactivity or interference between Human VRK1 and analogues was observed.
Sequence Length	396
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 Serine/threonine-protein kinase VRK1 (VRK1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VRK1 elisa kit	Description: This Human Serine/threonine-protein kinase VRK1 (VRK1) ELISA Kit 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 any VRK1 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109730507
NCBI GeneID	7443
UniProt Accession #	Q99986
NCBI Official Full Name	Vaccinia related kinase 1
NCBI Official Synonym Full Names	VRK serine/threonine kinase 1
NCBI Official Symbol	VRK1
NCBI Official Synonym Symbols	PCH1; PCH1A
NCBI Protein Information	serine/threonine-protein kinase VRK1
UniProt Protein Name	Serine/threonine-protein kinase VRK1
UniProt Gene Name	VRK1

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/serine-threonine-protein-kinase-vrk1-vrk1/330274>