

Human Vaccinia Related Kinase 1 (VRK1) ELISA Kit | VRK1 elisa kit

Human Vaccinia Related Kinase 1 (VRK1) ELISA Kit

CATALOG #
AAA138168

REACTIVITY
Human

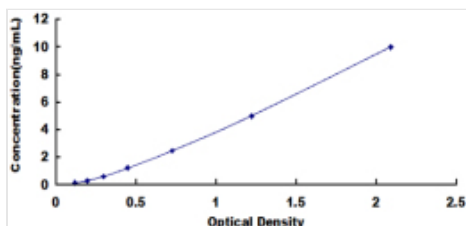
PRODUCT SYNONYMS

Vaccinia Related Kinase 1 (VRK1); Human Vaccinia Related Kinase 1 (VRK1) ELISA Kit; Serine/threonine-protein kinase VRK1; VRK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Vaccinia Related Kinase 1 (VRK1). No significant cross-reactivity or interference between Vaccinia Related Kinase 1 (VRK1) and analogues was observed.
Sequence Length	396
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Vaccinia Related Kinase 1 (VRK1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Vaccinia Related Kinase 1 (VRK1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VRK1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Vaccinia Related Kinase 1 (VRK1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Vaccinia Related Kinase 1 (VRK1). 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 Vaccinia Related Kinase 1 (VRK1), 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 Vaccinia Related Kinase 1 (VRK1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for VRK1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	109730507
NCBI GeneID	7443
UniProt Accession #	Q99986; Q3SYL2
Molecular Weight	45,476 Da
NCBI Official Full Name	Vaccinia related kinase 1
NCBI Official Synonym Full Names	vaccinia related 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
UniProt Entry Name	VRK1_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.