

Human Serine/threonine-protein kinase PLK1 ELISA Kit | PLK1 elisa kit

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CATALOG #
AAA194382

REACTIVITY
Human

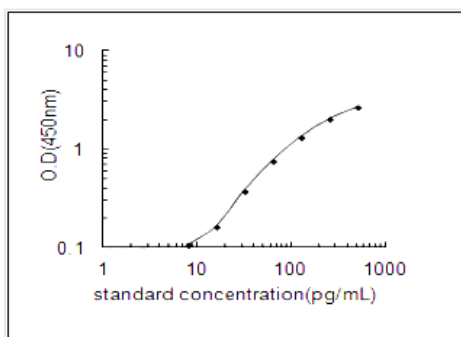
PRODUCT SYNONYMS

Serine/threonine-protein kinase PLK1; Human Serine/threonine-protein kinase PLK1 ELISA Kit; Polo-like kinase 1; PLK-1; Serine/threonine-protein kinase 13; STPK13; PLK1; PLK; 2.7.11.21; PLK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural humanSerine/threonine-protein kinase PLK1. No significant cross-reactivity or interference was observed.
Sequence Length	603
Assay Type	Sandwich
Detection Range	7.8-500 pg/mL
Sensitivity	3.4pg/mL
Intra-Assay CV	<=5.3%
Inter-Assay CV	<=8.9%
Recovery	97%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLK1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Serine/threonine-protein kinase PLK1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Serine/threonine-protein kinase PLK1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Serine/threonine-protein kinase PLK1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Serine/threonine-protein kinase PLK1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Serine/threonine-protein kinase PLK1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21359873
NCBI GeneID	5347
NCBI Accession #	NP_005021.2
NCBI GenBank Nucleotide #	NM_005030.5
UniProt Accession #	P53350; Q15153; Q99746
Molecular Weight	68,255 Da
NCBI Official Full Name	serine/threonine-protein kinase PLK1
NCBI Official Synonym Full Names	polo like kinase 1
NCBI Official Symbol	PLK1
NCBI Official Synonym Symbols	PLK; STPK13
NCBI Protein Information	serine/threonine-protein kinase PLK1
UniProt Protein Name	Serine/threonine-protein kinase PLK1
UniProt Gene Name	PLK1
UniProt Synonym Gene Names	PLK; PLK-1; STPK13
UniProt Entry Name	PLK1_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/serine-threonine-protein-kinase-plk1/194382>