

Human Serine/threonine protein kinase Chk1 (CHEK1) ELISA Kit | CHEK1 elisa kit

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CATALOG #
AAA27306

REACTIVITY
Human

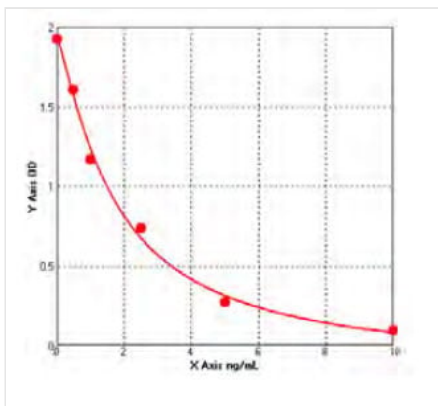
PRODUCT SYNONYMS

Serine/threonine protein kinase Chk1 (CHEK1); Human Serine/threonine protein kinase Chk1 (CHEK1) ELISA Kit; CHEK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CHEK1. No significant cross-reactivity or interference between CHEK1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CHEK1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CHEK1 elisa kit	Principle of the Assay: CHEK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CHEK1 antibody and an CHEK1-HRP conjugate. The assay sample and buffer are incubated together with CHEK1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CHEK1 concentration since CHEK1 from samples and CHEK1-HRP conjugate compete for the anti-CHEK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CHEK1 from the sample, fewer sites are left to bind CHEK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CHEK1 concentration in each sample is interpolated from this standard curve. Intended Uses: This CHEK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CHEK1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for CHEK1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	349501061
NCBI GeneID	1111
NCBI Accession #	NP_001231775.1
NCBI GenBank Nucleotide #	NM_001244846.1
Molecular Weight	50,415 Da
NCBI Official Full Name	serine/threonine-protein kinase Chk1 isoform 2
NCBI Official Synonym Full Names	checkpoint kinase 1
NCBI Official Symbol	CHEK1
NCBI Official Synonym Symbols	CHK1
NCBI Protein Information	serine/threonine-protein kinase Chk1; Chk1-S; checkpoint kinase-1; CHK1 checkpoint homolog; cell cycle checkpoint kinase; Checkpoint, S. pombe, homolog of, 1
UniProt Protein Name	Serine/threonine-protein kinase Chk1
UniProt Gene Name	CHEK1
UniProt Synonym Gene Names	CHK1
UniProt Entry Name	CHK1_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-chk1-chek1/27306>