

Mouse Centromere Protein E ELISA Kit | CENPE elisa kit

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CATALOG #
AAA82543

REACTIVITY
Mouse

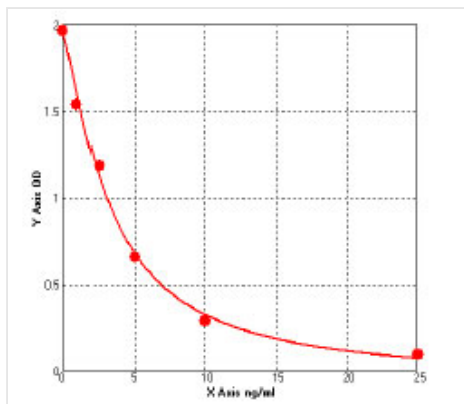
PRODUCT SYNONYMS

Centromere Protein E; Mouse Centromere Protein E ELISA Kit; CENPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CENPE. No significant cross-reactivity or interference between CENPE and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CENPE 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 CENPE elisa kit	Principle of the Assay: CENPE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CENPE antibody and an CENPE-HRP conjugate. The assay sample and buffer are incubated together with CENPE-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 CENPE concentration since CENPE from samples and CENPE-HRP conjugate compete for the anti-CENPE antibody binding site. Since the number of sites is limited, as more sites are occupied by CENPE from the sample, fewer sites are left to bind CENPE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CENPE concentration in each sample is interpolated from this standard curve. Intended Uses: This CENPE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CENPE. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CENPE elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	71061468
NCBI GeneID	1062
NCBI Accession #	NP_001804.2
NCBI GenBank Nucleotide #	NM_001813.2
Molecular Weight	301,789 Da
NCBI Official Full Name	centromere-associated protein E isoform 1
NCBI Official Synonym Full Names	centromere protein E, 312kDa
NCBI Official Symbol	CENPE
NCBI Official Synonym Symbols	KIF10; CENP-E; PPP1R61
NCBI Protein Information	centromere-associated protein E; kinesin family member 10; kinesin-related protein CENPE; Centromere autoantigen E (312kD); protein phosphatase 1, regulatory subunit 61
UniProt Protein Name	Centromere-associated protein E
UniProt Gene Name	CENPE
UniProt Synonym Gene Names	CENP-E
UniProt Entry Name	CENPE_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.