

Human Centromere Protein E (CENPE) ELISA Kit | CENPE elisa kit

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CATALOG #
AAA67617

REACTIVITY
Human

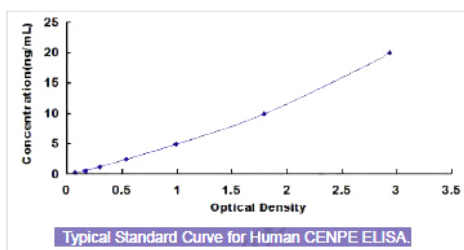
PRODUCT SYNONYMS

Centromere Protein E (CENPE); Human Centromere Protein E (CENPE) ELISA Kit; CENP-E; KIF10; Centromere-Associated Protein E; CENPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	2580
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CENPE were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CENPE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CENPE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CENPE in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CENPE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CENPE. 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 CENPE, 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 CENPE 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 #	557878612
NCBI GeneID	1062
NCBI Accession #	NP_001273663.1
NCBI GenBank Nucleotide #	NM_001286734.1
UniProt Accession #	Q02224; Q4LE75; A6NKY9; A8K2U7
Molecular Weight	301,789 Da
NCBI Official Full Name	centromere-associated protein E isoform 2
NCBI Official Synonym Full Names	centromere protein E
NCBI Official Symbol	CENPE
NCBI Official Synonym Symbols	KIF10; CENP-E; MCPH13; PPP1R61
NCBI Protein Information	centromere-associated protein E
UniProt Protein Name	Centromere-associated protein E
UniProt Gene Name	CENPE
UniProt Synonym Gene Names	CENP-E

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/centromere-protein-e-cenpe/67617>