

Human Centromere Protein A ELISA Kit | CENPA elisa kit

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CATALOG #
AAA85918

REACTIVITY
Human

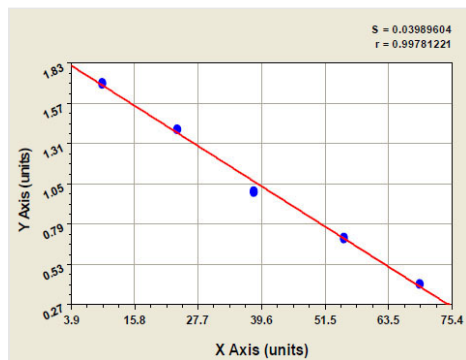
PRODUCT SYNONYMS

Centromere Protein A; Human Centromere Protein A ELISA Kit; CENPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CENPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CENPA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CENPA elisa kit

Principle of the assay: CENPA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CENPA antibody and an CENPA-HRP conjugate. The assay sample and buffer are incubated together with CENPA-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 CENPA concentration since CENPA from samples and CENPA-HRP conjugate compete for the anti-CENPA antibody binding site. Since the number of sites is limited, as more sites are occupied by CENPA from the sample, fewer sites are left to bind CENPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CENPA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12803733
NCBI GeneID	1058
Molecular Weight	13,001 Da
NCBI Official Full Name	CENPA protein
NCBI Official Synonym Full Names	centromere protein A
NCBI Official Symbol	CENPA
NCBI Official Synonym Symbols	CenH3; CENP-A
NCBI Protein Information	histone H3-like centromeric protein A; centromere autoantigen A; centromere protein A, 17kDa; centromere-specific histone
UniProt Protein Name	Histone H3-like centromeric protein A
UniProt Gene Name	CENPA
UniProt Synonym Gene Names	CENP-A
UniProt Entry Name	CENPA_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/cenpa-human-elisa-kits/centromere-protein-a/85918>