

Mouse Centromere Protein A ELISA Kit | CENPA elisa kit

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CATALOG #
AAA84413

REACTIVITY
Mouse

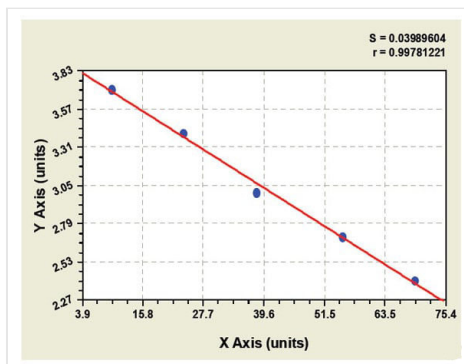
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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 CENP-A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CENP-A. 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: CENP-A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CENP-A antibody and an CENP-A-HRP conjugate. The assay sample and buffer are incubated together with CENP-A-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 CENP-A concentration since CENP-A from samples and CENP-A-HRP conjugate compete for the anti-CENP-A antibody binding site. Since the number of sites is limited, as more sites are occupied by CENP-A from the sample, fewer sites are left to bind CENP-A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CENP-A 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-mouse-elisa-kits/centromere-protein-a/84413>