

Human Histone ELISA Kit | Histone elisa kit

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CATALOG #
AAA94778

REACTIVITY
Human

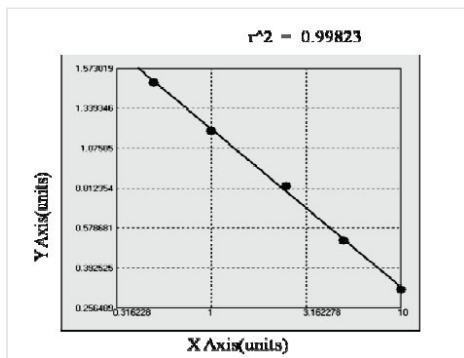
PRODUCT SYNONYMS

Histone; Human Histone ELISA Kit; Histone elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Histone elisa kit

Intended Uses: This Histone ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Histone. This ELISA kit for research use only!

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	3649600
NCBI GeneID	3015
Molecular Weight	13,553 Da
NCBI Official Full Name	histone
NCBI Official Synonym Full Names	H2A histone family, member Z
NCBI Official Symbol	H2AFZ
NCBI Official Synonym Symbols	H2AZ; H2A.z; H2A/z; H2A.Z-1
NCBI Protein Information	histone H2A.Z; H2AZ histone
UniProt Protein Name	Histone H2A.Z
UniProt Gene Name	H2AFZ
UniProt Synonym Gene Names	H2AZ; H2A/z
UniProt Entry Name	H2AZ_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.