

Canine Histone ELISA Kit | Histone elisa kit

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CATALOG #
AAA17126

REACTIVITY
Canine

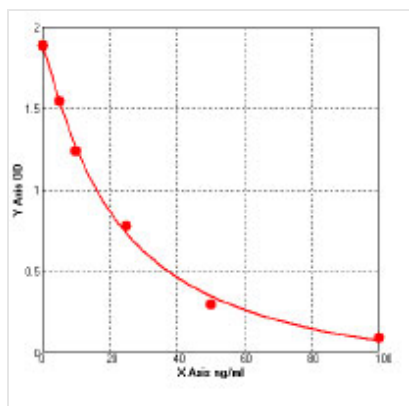
PRODUCT SYNONYMS

Histone; Canine Histone ELISA Kit; Histone elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of HIS. No significant cross-reactivity or interference between HIS and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HIS and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/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 HIS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine HIS. This ELISA kit for research use only! Principle of the Assay: HIS ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HIS antibody and an HIS-HRP conjugate. The assay sample and buffer are incubated together with HIS-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 HIS concentration since HIS from samples and HIS-HRP conjugate compete for the anti-HIS antibody binding site. Since the number of sites is limited, as more sites are occupied by HIS from the sample, fewer sites are left to bind HIS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HIS concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Histone elisa kit	Cell Biology

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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/histone/17126>