

Rat Histone Cluster 1, H4a (HIST1H4A) ELISA Kit | HIST1H4A elisa kit

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CATALOG #
AAA148693

REACTIVITY
Rat

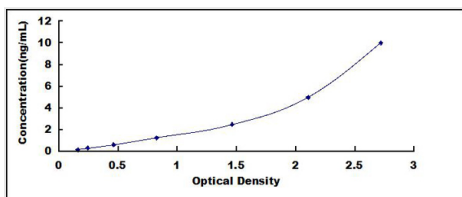
PRODUCT SYNONYMS

Histone Cluster 1; H4a (HIST1H4A); Rat Histone Cluster 1; H4a (HIST1H4A) ELISA Kit; H4FA; HIST2H4B; HIST2H4C; HIST2H4D; HIST2H4E; HIST2H4F; HIST2H4G; HIST2H4H; HIST2H4I; HIST2H4J; HIST2H4K; HIST4H4; HIST2H4A; HIST1H4A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Histone Cluster 1, H4a (HIST1H4A). No significant cross-reactivity or interference between Histone Cluster 1, H4a (HIST1H4A) and analogues was observed.
Sequence Length	103
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.069ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Histone Cluster 1, H4a (HIST1H4A) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Histone Cluster 1, H4a (HIST1H4A) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HIST1H4A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Histone Cluster 1, H4a (HIST1H4A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Histone Cluster 1, H4a (HIST1H4A). 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 Histone Cluster 1, H4a (HIST1H4A), 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 Histone Cluster 1, H4a (HIST1H4A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HIST1H4A elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	183986773
NCBI GeneID	295277
NCBI Accession #	NP_001116941.1
NCBI GenBank Nucleotide #	NM_001123469.1
UniProt Accession #	P62804; P02304; P02305; Q5BM23; Q7M0E8
Molecular Weight	2,131 Da
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 2, H4
NCBI Official Symbol	Hist2h4
NCBI Official Synonym Symbols	Hist4h4
NCBI Protein Information	histone H4
UniProt Protein Name	Histone H4
UniProt Gene Name	Hist1h4b
UniProt Synonym Gene Names	Hist4; OGP

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://www.aaabiotech.com/rat-elisa-kits/histone-cluster-1-h4a-hist1h4a/148693>