

Histone H4 (H4) ELISA Kit | H4 elisa kit

Multi-species Histone H4 (H4) ELISA Kit

CATALOG #
AAA22921

REACTIVITY
Human, Mouse, Rat

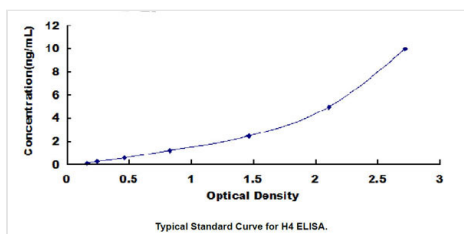
PRODUCT SYNONYMS

Histone H4 (H4); Multi-species Histone H4 (H4) ELISA Kit; Human/Mouse/Rat Histone H4 (H4) (Sandwich ELISA) ELISA Kit; H4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity for detection of H4. 100% cross-reactivity of H4 was observed among human, mouse and rat.
Sequence Length	103
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level H4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level H4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 H4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to H4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to H4. 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 H4, 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 H4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28173560
NCBI GeneID	121504
NCBI Accession #	NP_778224.1
NCBI GenBank Nucleotide #	NM_175054.2
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0
Molecular Weight	11,367 Da
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 4 H4
NCBI Official Symbol	HIST4H4
NCBI Official Synonym Symbols	H4/p
NCBI Protein Information	histone H4
UniProt Protein Name	Histone H4
UniProt Gene Name	HIST1H4A
UniProt Synonym Gene Names	H4/A; H4FA

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.