

Histone H4 (H4) ELISA Kit | H4 elisa kit

Human/Mouse/Rat Histone H4 (H4)(Sandwich ELISA) High-sensitive ELISA Kit

CATALOG #
AAA152526

REACTIVITY
Human, Mouse, Rat

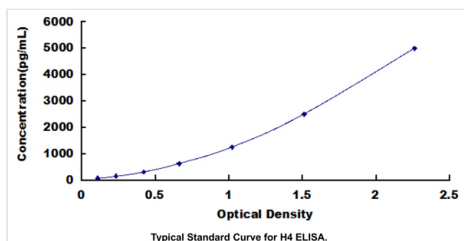
PRODUCT SYNONYMS

Histone H4 (H4); Human/Mouse/Rat Histone H4 (H4)(Sandwich ELISA) High-sensitive ELISA Kit; High Sensitive ELISA Kit for Histone H4 (H4); 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.
Assay Type	Quantitative Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	< 29pg/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	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of H4 in tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Due to the 100% homology of the sequence among different species, the kit can be used to detect human, mouse and rat samples.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	306482623
NCBI GeneID	100041230
NCBI Accession #	NP_001182350.1
NCBI GenBank Nucleotide #	NM_001195421.1
UniProt Accession #	P62806; P02304; P02305; Q0VDL9; Q2M2Q5; Q5T006; Q6PDS7; Q811M0; Q9D0C9; A0AUM5; A4FUP8; A4QMY0
Molecular Weight	11,367 Da
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 1, H4m
NCBI Official Symbol	Hist1h4m
NCBI Official Synonym Symbols	Gm11275
NCBI Protein Information	histone H4
UniProt Protein Name	Histone H4
UniProt Gene Name	Hist1h4a
UniProt Synonym Gene Names	H4-53

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/human-mouse-rat-elisa-kits/histone-h4-h4/152526>