

Histone H2B (H2B) ELISA Kit | H2B elisa kit

Multi-species Histone H2B (H2B) ELISA Kit

CATALOG #
AAA140553

REACTIVITY
Human, Mouse, Rat

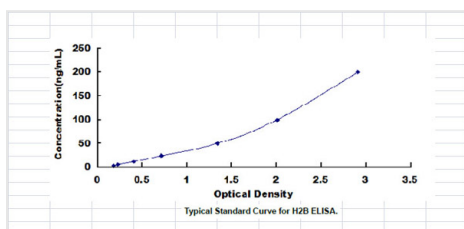
PRODUCT SYNONYMS

Histone H2B (H2B); Multi-species Histone H2B (H2B) ELISA Kit; Human/Mouse/Rat Histone H2B (H2B) (Sandwich ELISA) ELISA Kit; H2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity for detection of H2B. 100% cross-reactivity of H2B was observed among human, mouse and rat.
Sequence Length	145
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.13ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level H2B 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 H2B 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 H2B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of H2B in tissue homogenates, cell lysates 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. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to H2B. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to H2B. 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 H2B, 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 H2B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for H2B elisa kit	Signal transduction; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	15237148
NCBI GeneID	832352
NCBI Accession #	NP_197679.1
NCBI GenBank Nucleotide #	NM_122194.2
Molecular Weight	15,732 Da
NCBI Official Full Name	histone H2B
NCBI Official Symbol	HTB2
NCBI Official Synonym Symbols	H2B; histone B2; HISTONE H2B; HTB2; MRN17.11; MRN17_11
NCBI Protein Information	histone H2B
UniProt Protein Name	Histone H2B.10
UniProt Gene Name	At5g22880
UniProt Entry Name	H2B10_ARATH

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-h2b-h2b/140553>