Human Histone H2B type 1-D (HIST1H2BD) ELISA Kit

Catalog No: #EK11571

Package Size: #EK11571-1 48T #EK11571-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Histone H2B type 1-D (HIST1H2BD) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	H2B.1B; H2B/b; H2BFB; HIRIP2; MGC90432; dJ221C16.6; H2B histone family; member B|OTTHUMP00000016143|histone 1; H2bd
Accession No.	P58876
Uniprot	P58876
GeneID	3017;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:1.23-100 ng/mL

Sensitivity:0.57 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate HIST1H2BD in samples. An antibody specific for HIST1H2BD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyHIST1H2BD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HIST1H2BD is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HIST1H2BD bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H2B family. Two transcripts that encode the same protein have been identified for this gene, which is found in the large histone gene cluster on chromosome 6p22-p21.3.

Albig et al. (1991) identified a gene encoding a member of the H2B class of histones and designated it H2B.1B. Albig and Doenecke (1997) designated this gene H2B/b.By analysis of a YAC contig, Albig et al. (1997) mapped the H2B/b gene to chromosome 6p21.3, within a cluster of 35 histone genes.

Note: This product is for in vitro research use only