HIST1H1B/HIST1H1D/HIST1H1E (Human) Cell-Based ELISA Kit

Catalog # KA2758 Size 1 Kit

Specification

Product Description	HIST1H1B/HIST1H1D/HIST1H1E (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of Histone H1 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — HIST1H1D

Entrez GeneID	3007
Protein Accession#	P16401 (Gene ID : 3009);P16402 (Gene ID : 3007);P10412 (Gene ID : 3008)
Gene Name	HIST1H1D
Gene Alias	H1.3, H1F3, MGC138176
Gene Description	histone cluster 1, H1d

Omim ID	142210
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fib er in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form a n octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucle osomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in t he compaction of chromatin into higher order structures. This gene is intronless and encodes a m ember of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a p alindromic termination element. This gene is found in the large histone gene cluster on chromoso me 6. [provided by RefSeq
Other Designations	H1 histone family, member 3|OTTHUMP00000016148|histone 1, H1d|histone H1c

Gene Info — HIST1H1E

Entrez GeneID	3008
Protein Accession#	P16401 (Gene ID : 3009);P16402 (Gene ID : 3007);P10412 (Gene ID : 3008)
Gene Name	HIST1H1E
Gene Alias	H1.4, H1F4, MGC116819, dJ221C16.5
Gene Description	histone cluster 1, H1e
Omim ID	142220
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fib er in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form a n octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucle osomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in t he compaction of chromatin into higher order structures. This gene is intronless and encodes a m ember of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a p alindromic termination element. This gene is found in the large histone gene cluster on chromoso me 6. [provided by RefSeq
Other Designations	H1 histone family, member 4|histone 1, H1e|histone H1b

Gene Info — HIST1H1B

Entrez GeneID	3009
Protein Accession#	P16401 (Gene ID : 3009);P16402 (Gene ID : 3007);P10412 (Gene ID : 3008)

Gene Name	HIST1H1B
Gene Alias	H1, H1.5, H1F5, MGC126630, MGC126632
Gene Description	histone cluster 1, H1b
Omim ID	142711
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq
Other Designations	H1 histone family, member 5|OTTHUMP00000017748|histone 1, H1b

Disease

- Crohn Disease
- Genetic Predisposition to Disease
- Growth Disorders