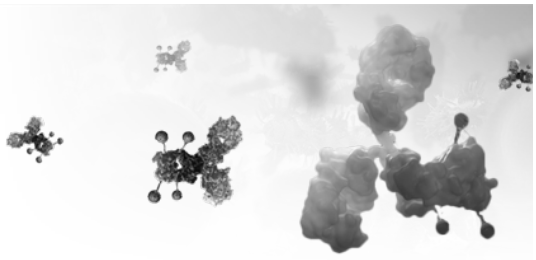

Human HIST1H3A blocking peptide (DAG-P1609)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). 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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the histone H3 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HIST1H3A histone cluster 1, H3a [Homo sapiens (human)]
Official Symbol	HIST1H3A

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Synonyms	HIST1H3A; histone cluster 1, H3a; H3/A; H3FA; histone H3.1; histone H3/a; histone 1, H3a; H3 histone family, member A;
Entrez Gene ID	8350
mRNA Refseq	NM_003529.2
Protein Refseq	NP_003520.1
UniProt ID	P68431
Chromosome Location	6p22.1
Pathway	Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; Amyloids, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Chromatin modifying enzymes, organism-specific biosystem; Chromatin organization, organism-specific biosystem; Condensation of Prophase Chromosomes, organism-specific biosystem; Disease,

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