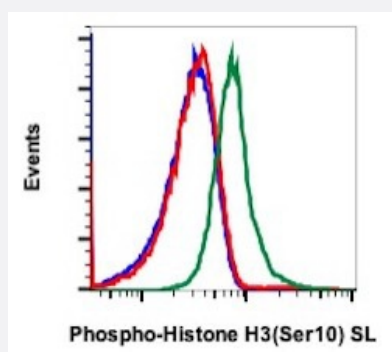


HIST3H3 (phospho S10) monoclonal antibody, clone 4B6 (SureLight 488)

Catalog # MAB23429 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells with HIST3H3 (phospho S10) monoclonal antibody, clone 4B6 (SureLight 488) (Cat # MAB23429). Untreated and unstained as negative control (blue) or untreated (red) or treated with nocodazole (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human HIST3H3.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding S10 of human HIST3H3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — HIST3H3

Entrez GeneID

[8290](#)

Gene Name

HIST3H3

Gene Alias

H3.4, H3/g, H3FT, H3t, MGC126886, MGC126888

Gene Description

histone cluster 3, H3

Omim ID

[602820](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

Other Designations

H3 histone family, member T|OTTHUMP00000037945|histone 3, H3

Pathway

- [Systemic lupus erythematosus](#)