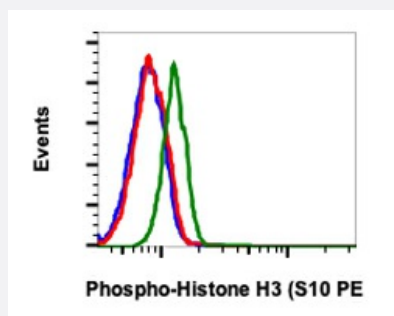


RecomAb™

H3-4 recombinant monoclonal antibody, clone HisH3S10-4B6 (PE)

Catalog # RAB02909 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Hela cells unstained as negative control (blue) or untreated (red) or treated with nocodazole (green) and stained using Phospho-Histone H3 (Ser10) PE conjugated antibody HisH3S10-4B6.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human H3-4.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser10 of human phospho histone H3
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA

Storage Instruction

Store at 4°C. Do not freeze.

Note

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

Applications

- Flow Cytometry

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Gene Info — HIST3H3

Entrez GeneID[8290](#)**Protein Accession#**[Q16695](#)**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](#)