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12-4055: Phospho-Histone H3 (Ser10) (Clone: 4B6) rabbit mAb PE conjugate

Clonality :	Monoclonal
Clone Name :	HisH3S10-4B6
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Format :	Conjugated
Alternative Name :	Histone H3.1t, H3t, H3FT, HIST3H3
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Ser10 of human phospho histone H3

Description

Histones are highly conserved proteins that serve the core of nucleosomes, which serve to organize chromatin fiber for DNA packing. Histone H3 phosphorylation plays a major role in both transcriptional activation, which requires unpacking of the chromatin structure, and in chromosome packing during cell division. Histone H3 is phosphorylated at residues Ser10 and Ser28, and is acetylated at Lys14. Phosphorylation at Ser10 occurs during entry into mitosis prior to chromatin condensation, and phosphorylation at Ser28 follows a similar pattern. In response to EGF stimulation, it has been proposed that sequential Ser10 phosphorylation, then Lys14 acetylation occurs, causing a change in chromatin structure and gene activation.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN3, 0.2% BSA
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 ÃÂµL per million cells or 5 ÃÂµL per 100 ÃÂµL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

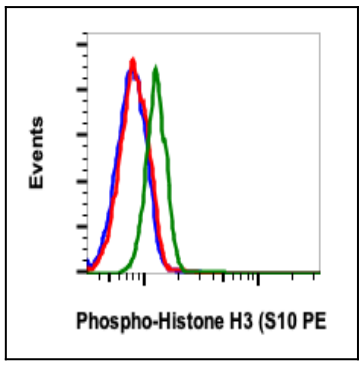


Fig-1: Flow cytometric analysis of Hela cells unstained as negative control (blue) or untreated (red) or treated with nocodazole (green) and stained using Phospho-Histone H3 (Ser10) PE conjugated antibody HisH3S10-4B6.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.