

## Product overview

product name	Anti Histone-H3 mouse monoclonal antibody
catalog No.	ATMA10165Mo
Category	Primary antibody
Host	Mouse
Species specificity	Human,other species was not test
Tested applications	WB
Clonality	Monoclonal
Clone No.	5F8
Conjugation	Unconjugated
Immunogen	Synthesis peptide from C-terminal.
Alternative Names	H3 histone family member E pseudogene,H3 histone family, member A,HIST1H3B.
Uniprot ID	P68431

## Product performance

Form	Liquid
Buffer	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Concentration	0.5mg/ml
Isotype	IgG2b
MW	15kDa
Purity	Protein G purification

## Dilution range

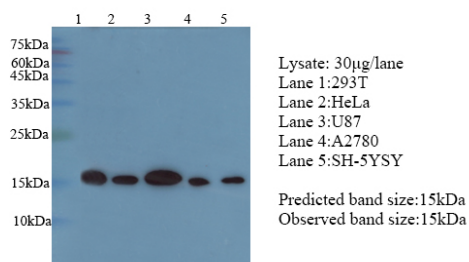
WB: 1:2000-1:8000

## Product experiment picture

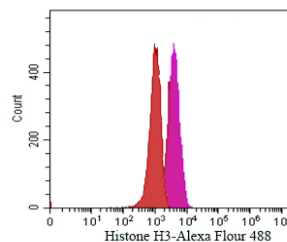


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## Anti Histone-H3 mouse monoclonal antibody



Various lysates were subjected to SDS PAGE followed by western blot with Histone H3 antibody at dilution of 1:2000



1×10<sup>6</sup> THP-1 cells were stained with 1:100 Histone H3 antibody (purple) and control antibody (red). Fixed with 4% PFA blocked with BSA (30min). Alexa Fluor 488-conjugated AffiniPure Goat anti-mouse IgG(H+L) with dilution 1:100.

## Product background

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.