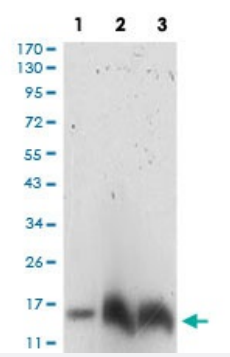
HIST3H3 monoclonal antibody, clone 4E9B11

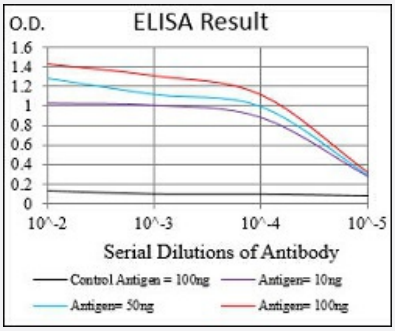
Catalog # MAB16656 Size 100 ug

Applications



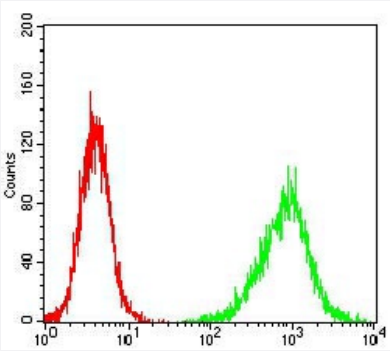
Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH/3T3 cell; Lane 2: Hela cell and Lane 3: K562 cell with HIST3H3 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HIST3H3 monoclonal antibody, clone 4E9B11.



Flow Cytometry

Flow cytometric analysis of NIH/3T3 cells with HIST3H3 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human HIST3H3.

Immunogen	A synthetic peptide corresponding to amino acid of human HIST3H3.
Host	Mouse
Theoretical MW (kDa)	15.5
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of Lane 1: NIH/3T3 cell; Lane 2: Hela cell and Lane 3: K562 cell with HIST3H3 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of HIST3H3 monoclonal antibody, clone 4E9B11.

- Flow Cytometry

  Flow cytometric analysis of NIH/3T3 cells with HIST3H3 monoclonal antibody (green) and negative control (red).

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 chro mosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped aro und a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H 4). 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; inste ad, 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