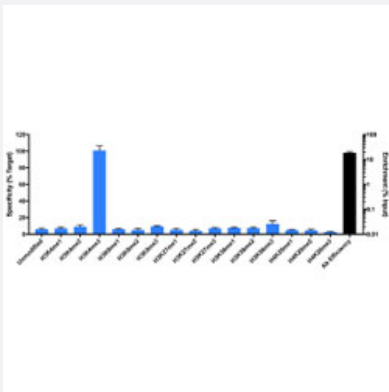


RecomAb™

Histone H3 (trimethyl K4) monoclonal antibody, clone RM340

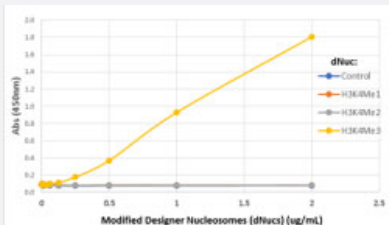
Catalog # MAB21964 Size 100 ug

Applications



ChIP

ChIP analysis of HEK-293 chromatin (~1x10⁶ cells). Specificity (left Y-axis; all bars mean ± SEM from six independent ChIP experiments; note <15% crossreactivity outside H3K4me3) was determined by quantitative real-time PCR (qPCR) for the duplicate DNA barcodes corresponding to each modified nucleosome in the ChIP panel (X-axis). Black bar represents antibody efficiency (right Y-axis; log scale) and indicates percentage of the barcoded H3K4me3 nucleosome target immunoprecipitated relative to Input.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Designer Nucleosomes (dNucs) (Recombinant Human Nucleosome with H3 K4 Modified).

Specification

| | |
|----------------------------|---|
| Product Description | Rabbit recombinant monoclonal antibody raised against human histone H3. |
| Antibody Species | Rabbit |
| Immunogen | Original antibody is raised against a synthetic trimethyl peptide corresponding to residues surrounding Lys4 of human histone H3. |
| Reactivity | Human |

| | |
|----------------------------|--|
| Specificity | This antibody reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with mono methylated Lysine 4 (K4me1), dimethylated Lysine 4 (K4me3), or other methylations in histone H3. |
| Form | Liquid |
| Purification | Protein A purification |
| Isotype | IgG |
| Recommend Usage | ChIP (1 ug/mL-5 ug/mL) ELISA (1 ug/mL-10 ug/mL) Multiplex (0.5 ug/mL-2 ug/mL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS (50% glycerol, 1% BSA, 0.09% sodium azide) |
| Storage Instruction | Store at -20°C. Aliquot to avoid repeated freezing and thawing. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- ChIP

ChIP analysis of HEK-293 chromatin (~1x10⁶ cells). Specificity (left Y-axis; all bars mean ± SEM from six independent ChIP experiments; note <15% crossreactivity outside H3K4me3) was determined by quantitative real-time PCR (qPCR) for the duplicate DNA barcodes corresponding to each modified nucleosome in the ChIP panel (X-axis). Black bar represents antibody efficiency (right Y-axis; log scale) and indicates percentage of the barcoded H3K4me3 nucleosome target immunoprecipitated relative to Input.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of Designer Nucleosomes (dNucs) (Recombinant Human Nucleosome with H3 K4 Modified).

- Multiplex