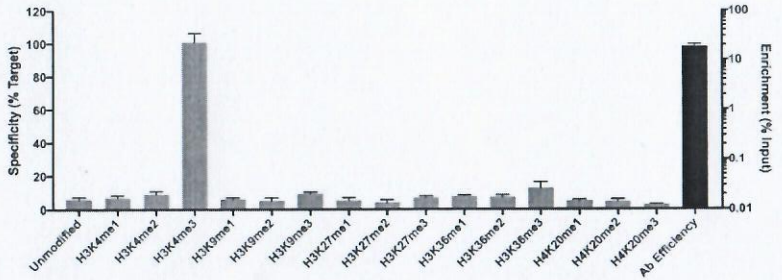
RevMAb Biosciences
www.revmab.com

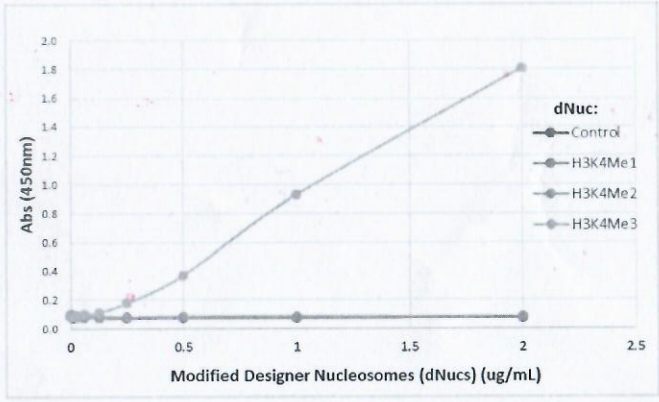
RevMAb Biosciences USA, Inc.
2 Adrian Court, Suite 26, Burlingame, CA 94010, USA

Certificate of Analysis

Product:	Rabbit Monoclonal Antibody
	Anti-Trimethyl-Histone H3 (Lys4) Rabbit Monoclonal Antibody, Clone RM340
Catalog No.:	31-1226-00
Clone	RM340
Lot No.:	T-07-03235
Specificity	This antibody reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with monomethylated Lysine 4 (K4me1), dimethylated Lysine 4 (K4me3), or other methylations in histone H3.
Application:	ChIP, ELISA, Multiplex
Immunogen:	A trimethyl-peptide corresponding to Trimethyl-Histone H3 (Lys4).
Purity:	Protein A affinity purified from an animal origin–free culture supernatant
Size:	100 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	ChIP: 1 µg for 1-5 µg chromatin; ELISA: 1 µg/mL – 10 µg/mL; Multiplex: 0.5 µg/mL – 2 µg/mL.
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	**For Research Use Only Not for Diagnostic or Therapeutic Use**



SNAP-ChIP ™ / qPCR using anti-H3K4me3 rabbit monoclonal antibody clone RM340. Antibody (3 µg at 17 µg/mL) was tested in native ChIP with 3 µg HEK-293 chromatin (~1x10^6 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 SNAP-ChIP K-MetStat 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.



ELISA of Designer Nucleosomes (dNucs) (Recombinant Human Nucleosome with H3 K4 Modified), using anti-H3K4me3 rabbit monoclonal antibody clone RM340 (10 µg/mL).