

Product Datasheet

Chromata ChIP Histone H3 [ac Lys4] Kit (ChIP) NBP1-71710

Unit Size: 25 Immunoprecipitations

Storage of components varies. See protocol for specific instructions.

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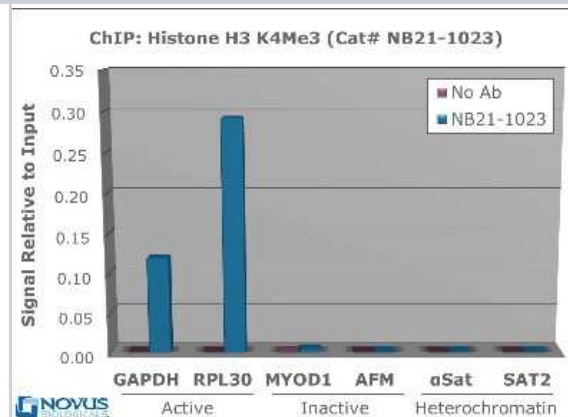


NBP1-71710**Chromata ChIP Histone H3 [ac Lys4] Kit (ChIP)**

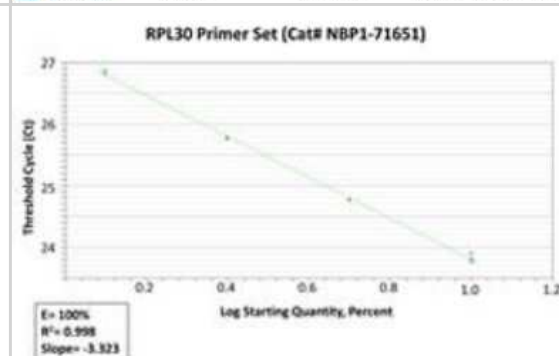
| Product Information | |
|------------------------------------|---|
| Unit Size | 25 Immunoprecipitations |
| Concentration | Concentration is not relevant for this product. Please see the protocols for proper use of this product. |
| Storage | Storage of components varies. See protocol for specific instructions. |
| Product Description | |
| Description | <p>This ChIP kit is specific for Histone H3 acetylated Lysine 4, and contains all the necessary components to perform 25 Immunoprecipitation experiments and a positive control antibody (NB21-1023SS). This ChIP kit is a complete pack to help you perform Chromatin Immunoprecipitation efficiently and accurately.</p> <p>This kit includes a full size vial of acetyl Lys4 antibody (NB21-1024).</p> |
| Kit Components | 10X Glycine (30 mL), IP Dilution Buffer (2 x 25 mL), Protein A/G Magnetic Beads (0.8 mL), IP Wash Buffer 1 (15 mL), IP Wash Buffer 2 (15 mL), IP Wash Buffer 3 (15 mL), IP Wash Buffer 4 (15 mL), IP Elution Buffer (7 mL), Purification Columns (30 EA), Proteinase K (0.06 mL), DNA Binding Buffer (5 mL - add 20 mL EtOH), DNA Elution Buffer (2 mL), H3 K4Me3 Positive Control Antibody (0.025 mg) - NB21-1023SS, H3 acetyl Lys4 Antibody (0.05 mg) - NB21-1024, Human RPL30 Positive Control Primer Pair at 10 uM (0.5 mL) - NBP1-71651, Human AFM Negative Control Primer Pair at 10 uM (0.5 mL) - NBP1-71653, 5M NaCl (1 mL) |
| Product Application Details | |
| Applications | Chromatin Immunoprecipitation (ChIP) |
| Recommended Dilutions | Chromatin Immunoprecipitation (ChIP) |

Images

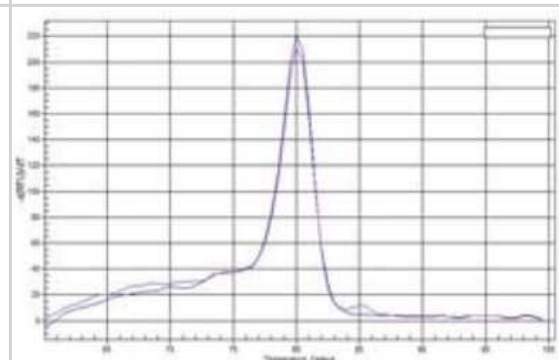
Chromatin Immunoprecipitation: Chromata ChIP Histone H3 [ac Lys4] ChIP Kit [NBP1-71710] - 2 ug of NB21-1023 was used to IP DNA from fixed Hela cells alongside a no antibody (No Ab) control. DNA was measured by qRT-PCR and normalized to total input (input=1).



Chromatin Immunoprecipitation: Chromata ChIP Histone H3 [ac Lys4] ChIP Kit [NBP1-71710] - Chromata ChIP Histone H3 [ac Lys4] Kit [NBP1-71710] - qRT-PCR standard curve generated from a serial dilution of sheared HeLa chromatin.



Chromatin Immunoprecipitation: Chromata ChIP Histone H3 [ac Lys4] ChIP Kit [NBP1-71710] - PCR product melt curve of 1% chromatin immunoprecipitation input sample run in duplicate.



Publications

Noto PB, Bukhtiyarov Y, Meng S et al. Regulation of Sphingomyelin Phosphodiesterase, Acid-like 3A Gene (SMPDL3A) by Liver X Receptors Mol Pharmacol 2012-07-24 [PMID: 22810003] (Chemotaxis)

Fishman J, Homon A, Lamsa E et al. The Complete Chemical Synthesis of Histones H3 and H4 Containing Epigenetic Modifications and Their Use in Characterizing Arginine Methylated Histone Antibodies. Poster presented at ASCB. 21st Century Biochemicals, Marlborough, MA 01752, Novus Biologicals, LLC, 8100 Southpark Way, Littleton, CO 80120.



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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