

# Product Datasheet

## Histone H3 [Dimethyl Lys18] Antibody (RM168) - Azide and BSA Free NBP3-26003

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP3-26003**

Histone H3 [Dimethyl Lys18] Antibody (RM168) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RM168
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

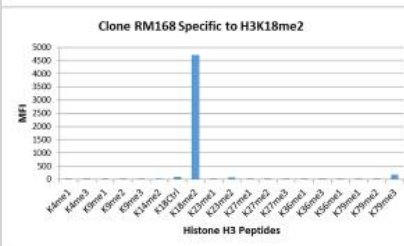
Product Description	
Description	Novus Biologicals Rabbit Histone H3 [Dimethyl Lys18] Antibody (RM168) - Azide and BSA Free (NBP2-61514) is a recombinant monoclonal antibody validated for use in Multiplex Immunofluorescence, WB and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	126961
Gene Symbol	H3C14
Species	Human, Vertebrate
Specificity/Sensitivity	This Histone H3 [Dimethyl Lys18] antibody (RM168) reacts to Histone H3 dimethylated at Lysine 18. No cross reactivity with monomethylated Lysine 18 or trimethylated Lysine 18, or other methylation in histone H3.
Immunogen	This Histone H3 [Dimethyl Lys18] antibody (RM168) was raised against a dimethyl-peptide corresponding to Histone H3 [Dimethyl Lys18]

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot 0.2 ug/ml - 1 ug/ml, ELISA 0.1 ug/mL- 0.5 ug/mL, Dot Blot 0.1 ug/mL-0.5 ug/mL, Multiplex Immunofluorescence

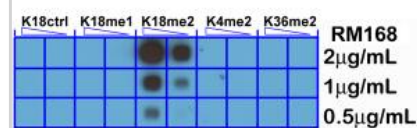


## Images

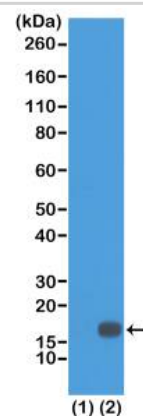
Multiplex Immunoassay: Histone H3 [Dimethyl Lys18] Antibody (RM168) - Azide and BSA Free [NBP3-26003] - RM168 specifically reacts to Histone H3 dimethylated at Lysine 18 (K18me2). No cross reactivity with other methylated lysines in Histone H3.



Dot Blot: Histone H3 [Dimethyl Lys18] Antibody (RM168) - Azide and BSA Free [NBP3-26003] - A Peptide dotblot shows RM168 only reacts to Histone. H3 dimethyl-Lysine 18 (K18me2). No cross reactivity with nonmodified Lysine 18 (K18Ctrl), monomethylated. Lysine 18 (K18me1), dimethylated Lysine 4 (K4me2), or dimethylated Lysine 36 (K36me2).



Western Blot: Histone H3 [Dimethyl Lys18] Antibody (RM168) - Azide and BSA Free [NBP3-26003] - Western Blot of recombinant Histone H3.3 (1) and acid extracts of HeLa cells (2), using RM168 at 0.5 ug/mL, showed a band of Histone H3 dimethylated at Lysine 18 in HeLa cells.





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### **Products Related to NBP3-26003**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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