

# Product Datasheet

## Parainfluenza Virus type 1 Antibody (251/12A (PAR1)) - BSA Free NB100-63036

Unit Size: 0.5 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-63036**

Parainfluenza Virus type 1 Antibody (251/12A (PAR1)) - BSA Free

Product Information	
Unit Size	0.5 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	251/12A (PAR1)
Preservative	<0.1% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse Parainfluenza Virus type 1 Antibody (251/12A (PAR1)) - BSA Free (NB100-63036) is a monoclonal antibody validated for use in WB and ELISA. Anti-Parainfluenza Virus type 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Virus
Specificity/Sensitivity	NB100-63036 specifically recognizes an epitope within the fusion protein of parainfluenza virus 1 (HPIV-1), an enveloped single-stranded RNA virus of the <i>Paramyxoviridae</i> family. Parainfluenza viruses are genetically and antigenically divided into the four types HPIV1-4, with HPIV-1, -2 and -3 being major causative agents of lower respiratory infections in the young and immunologically vulnerable. The fusion protein of all HPIV, is a 60-66kDa surface glycoprotein, integral in the fusion of virus host-cell membranes, and the subsequent infection of a host cell by the viral nucleocapsid.
Immunogen	Parainfluenza 1 fusion protein

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot, ELISA 1:100-1:2000
Application Notes	Use in WB reported in scientific literature (PMID:34529742).

**Publications**

Wu CT, Lidsky PV, Xiao Y et al. SARS-CoV-2 replication in airway epithelia requires motile cilia and microvillar reprogramming Cell 2022-12-01 [PMID: 36580912]

Kurebayashi Y, Bajimaya S, Watanabe M et al. Human parainfluenza virus type 1 regulates cholesterol biosynthesis and establishes quiescent infection in human airway cells PLOS Pathogens 2021-09-16 [PMID: 34529742] (WB)





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### **Products Related to NB100-63036**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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