

# Product Datasheet

## **Feline Immunodeficiency Virus p24 gag Antibody (PAK3-2C1) - BSA Free** **NB100-64802**

Unit Size: 0.125 mg

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

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**NB100-64802**

Feline Immunodeficiency Virus p24 gag Antibody (PAK3-2C1) - BSA Free

Product Information	
Unit Size	0.125 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PAK3-2C1
Preservative	<0.1% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Feline Immunodeficiency Virus p24 gag Antibody (PAK3-2C1) - BSA Free (NB100-64802) is a monoclonal antibody validated for use in IHC, WB, ELISA and Flow. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Virus
Specificity/Sensitivity	NB100-64802 recognizes an immunodominant p24 epitope of feline immunodeficiency virus (FIV) p24 gag. The lentivirus FIV, responsible for a progressive and debilitating immune deficiency syndrome in domestic cats, similar to that caused by the human Immunodeficiency Virus (HIV), is a complex retrovirus with a tightly-packed genome, containing the structural genes gag, env and pro-pol and the accessory genes vif, rev and ORF-A/2. The specific binding epitope recognized by clone PAK3-2C1 appears to be enclosed in a tight peptide coil during gag production and maturation. The addition of 0.3% Triton-X detergent is recommended to reveal this epitope for antibody binding. NB100-64802 detects a dominant band of approximately 24kDa, and also detects p24 gag precursor bands at 36, 39, 49 and 52kDa under reducing conditions in Western blotting. NB100-64802 does not recognize Feline Leukaemia Virus (FeLV), Feline Herpes Virus (FHV) type 1, Feline Coronavirus or Feline Calicivirus.
Immunogen	Made to Viral FELINE IMMUNODEFICIENCY VIRUS p24 gag
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Immunohistochemistry, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Membrane permeabilisation is required for Flow Cytometry. The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. The use of acetone fixation for frozen sections is recommended.





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### **Products Related to NB100-64802**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB100-64802UV	Feline Immunodeficiency Virus p24 gag Antibody (PAK3-2C1) [DyLight 350]

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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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