

# 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         |  |
| 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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