

# Product Datasheet

## **FIV gp95 Antibody (SU1-30) [Janelia Fluor® 549] NB100-64378JF549**

Unit Size: 0.125 ml

Store at 4C in the dark.

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**NB100-64378JF549**

FIV gp95 Antibody (SU1-30) [Janelia Fluor® 549]

Product Information	
Unit Size	0.125 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	SU1-30
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	Janelia Fluor 549
Purity	Protein A purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Species	Virus
Reactivity Notes	Reacts with Viral.
Specificity/Sensitivity	NB100-64378 specifically recognizes the relatively conserved E60 peptide (amino acid sequence SSWKQRNRWEWRPDF) located within the V3 region of FIV (Feline Immunodeficiency Virus) envelope glycoprotein SU, gp95. The primary receptor for FIV infection of cats has been identified as the T-cell activation antigen CD134 which, along with CXC chemokine receptor 4 (CXCR4), facilitates the infection of CD4+ primary target cells, resulting in a depletion in the CD4+ population. Studies have shown that the V3 loop of SU, gp95 is a major immunogenic domain, suggested to contain the main determinants for the binding of FIV SU, gp95 to CXCR4.(3) Clone SU1-30 has been shown to inhibit the sCD134-activated entry of both clade B and clade C FIV strains.(1) NB100-64378 does not recognize Feline Leukaemia Virus, Feline Herpes Virus type 1, Feline Coronavirus or Feline Calicivirus. Removal of Sodium Azide is recommended prior to use in functional studies.
Immunogen	Made to FIV gp95
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
Product Application Details	
Applications	Western Blot, Flow Cytometry
Recommended Dilutions	Western Blot, Flow Cytometry
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

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