

## ARG23124 anti-FIV p24 antibody [PAK3-2C1]

Package: 125 µg  
Store at: -20°C

### Summary

Product Description	<p>Mouse Monoclonal antibody [PAK3-2C1] recognizes FIV p24</p> <p>Mouse anti Feline Immunodeficiency Virus p24 gag antibody, clone PAK3-2C1 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 Mouse anti Feline Immunodeficiency Virus p24 gag antibody, 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. Mouse anti Feline Immunodeficiency Virus p24 gag antibody, clone PAK3-2C1 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. Mouse anti Feline Immunodeficiency Virus p24 gag antibody, clone PAK3-2C1 does not recognize Feline Leukaemia Virus (FeLV), Feline Herpes Virus (FHV) type 1, Feline Coronavirus or Feline Calicivirus.</p>
Tested Reactivity	Virus
Tested Application	ELISA, FACS, ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	PAK3-2C1
Isotype	IgG1
Target Name	FIV p24
Species	Virus
Conjugation	Un-conjugated

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	<p>FACS: Membrane permeabilisation is required for this application. Use 10 µl of the suggested working dilution to label 10<sup>6</sup> cells in 100 µl.</p> <p>IHC-Fr: The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Arigo recommends the use of acetone fixation for frozen sections.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

## Properties

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Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.05% Sodium azide.
Preservative	0.05% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.