

## Product datasheet for **SM2014P**

### FIV p24 gag Mouse Monoclonal Antibody [Clone ID: PAK3-2C1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	PAK3-2C1
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	Flow Cytometry: Membrane permeabilisation is required for this application. Immunohistochemistry on frozen sections. ELISA. Western Blot. Immunofluorescence.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody recognises an immunodominant p24 epitope of immunodeficiency virus (FIV) p24 gag. This antibody 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. This antibody does not recognise Leukaemia Virus (FeLV), Herpes Virus (FHV) type 1, Coronavirus or Calicivirus.
Formulation:	PBS containing 0.05% Sodium Azide State: Aff - Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">P16087</a>



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- Background:** 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 recognised 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.
- Synonyms:** Feline Immunodeficiency Virus Capsid protein p24