

**PRODUCT CHARACTERISTICS**

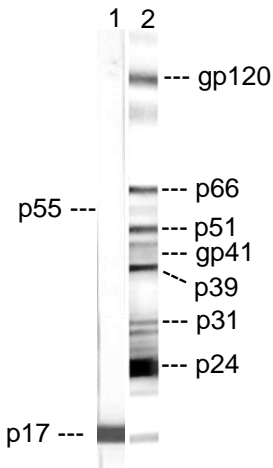
<b>Concentration:</b>	1-1.5 mg/mL determined by UV absorbance at 280 nm (see vial label)
<b>Specificity:</b>	Reacts to HIV-1 p17 protein
<b>Source:</b>	Murine monoclonal IgG2a from serum-free culture supernatant
<b>Purification:</b>	Protein A chromatography
<b>Purity:</b>	≥ 80% (Coomassie blue SDS-PAGE)
<b>Immunogen:</b>	HIV-1 (Strain IIIB) lysate
<b>Formulation:</b>	1 mg in PBS, pH 7.2 No preservatives
<b>Epitope:</b>	Amino acids Glu12-Ile19 (see reference below)

**STORAGE**

Store at -10 °C or below. Repetitive freezing and thawing are not recommended (aliquot as necessary). Thawed material may be stored at 4°C for short-term usage.

**APPLICATIONS**

**Western Blot:** Use at ~1:1000 dilution



HIV-1 IIIB virus lysate proteins were separated by electrophoresis and transferred onto a nitrocellulose membrane. The following antibodies were used in Western blot analysis.

Strip 1 - Anti-HIV-1 p17 Clone 32/5.8.42

Strip 2 - Human Anti-HIV polyclonal

**ELISA:** Use at ~1:1000 dilution

Recommended dilutions are intended as a guide. Optimal dilutions should be determined by each laboratory based on the application. Conditions for applications such as immunoprecipitation, immunofluorescence and other EIA assays must be determined experimentally by the investigator.

**REFERENCES**

**Papsidero LD, Sheu M and Ruscetti FW.** 1989. Human Immunodeficiency Virus Type 1-Neutralizing Monoclonal Antibodies Which React with p17 Core Protein: Characterization and Epitope Mapping. *J. Virol.* 63:267-272.

**For Research Use Only NOT for in vitro Diagnostic Use**

PI0801123  
 Revision: 04  
 Effective Date: 02/21/2024

<b>REF</b>	Catalog Number		Temperature Limitation
<b>LOT</b>	Batch Code		Expiration Date
<b>RUO</b>	For Research Use Only		Biological Risk
	Manufacturer		

PCA# 24-059  
 Page 1 of 1