



## MONOBODIES

### ANTI-HIV-1 p17

Clone 32/5.8.42

**Catalog Number:** 0801005    **Unit Size:** 100 µg

**Catalog Number:** 0801123    **Unit Size:** 1 mg

#### PRODUCT CHARACTERISTICS

This murine monoclonal antibody reacts with Human Immunodeficiency Virus Type 1 (HIV-1) p17 protein. The antibody was raised by immunizing BALB/c mice with purified HIV-1 (Strain IIIB) lysate. It is of the IgG<sub>2a</sub> subclass and has been purified from protein-free cell culture supernatant by protein A chromatography. The antibody epitope has been mapped to amino acids 12-19 (see reference below).

#### CONTENTS

Each vial contains 1 mg of antibody in phosphate-buffered saline (PBS). No preservatives added.

#### RECOMMENDED USAGE

Anti-HIV-1 p17 Clone 32/5.8.42 exhibits reactivity with HIV-1 infected cultures using indirect immunofluorescence. When tested by Western blot with viral lysates, antibody shows a strong reaction with HIV-1 p17 core protein. The antibody may be used in indirect immunostaining techniques to detect HIV-1 core protein in fresh or cultured HIV-1 infected cells. Studies on core antigen synthesis and metabolism can be performed by Western blot or radioimmunoprecipitation analysis. The antibody may also be valuable for the affinity isolation of HIV-1 core protein. Antibody dilutions should be prepared using buffers containing suitable protein in order to stabilize antibody activity. Optimal dilution of antibody must be determined experimentally by the investigator.

#### STORAGE AND STABILITY

Stable at -10°C or below. The material may be re-frozen after thawing. Repetitive freezing and thawing is not recommended (aliquot as necessary). Thawed material may be stored at 4°C for short-term usage.

#### 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.

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*This Package Insert is provided for product evaluation purposes only and is not intended to be used in place of the Package Insert shipped with the product.*