**MONOBODIES**

**ANTI-HIV-1 p17**

Clone 32/5.8.42  
*Catalog #*: 0801005  *Unit Size*: 100 µg  
*Catalog #*: 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 IgG2a 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 100 µg 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**