



MONOCLONAL ANTIBODIES

ANTI-HIV-1 p17

Clone 32/1.24.89

Catalog #: 0801077 **Unit Size:** 100 µg

Catalog #: 0801115 **Unit Size:** 1 mg

PRODUCT CHARACTERISTICS

This murine monoclonal antibody reacts with Human Immunodeficiency Virus Type 1 (HIV-1) p17 core protein. The antibody was raised by immunizing BALB/c mice with purified HIV-1 (Strain IIIB) lysate. The epitope has been mapped to amino acid positions 17-22 (see reference below). It is of the IgG₁ subclass and has been purified from serum-free culture supernatant by protein G chromatography.

CONTENTS

Each vial contains 1 mg of antibody in PBS. No preservatives added.

RECOMMENDED USAGE

Anti-HIV-1 p17 Clone 32/1.24.89 exhibits reactivity by Western blot analysis of viral lysates and may be used in indirect immunostaining techniques to detect HIV-1 core protein in fresh or cultured HIV-1 infected cells. The antibody may also be valuable for the affinity isolation of HIV-1 core protein and immunoprecipitates p55 gag precursor from radiolabeled infected cell extracts. 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

L D Papsidero, M Sheu, and F W Ruscetti, "Human immunodeficiency virus type 1-neutralizing monoclonal antibodies which react with p17 core protein: characterization and epitope mapping." *Journal of Virology* 63, no. 1 (January 1989): 267-272.

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Research Use Only

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ZeptoMetrix Corporation • 872 Main Street, Buffalo, NY 14202 • Tel (716) 882-0920 • (800) 274-5487 • Fax (716) 882-0959

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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.