



MONOBODIES

ANTI-HIV-1 gp41

Clone 10E9

Catalog Number: 0801006 **Unit Size:** 100 µg

Catalog Number: 0801121 **Unit Size:** 1 mg

PRODUCT CHARACTERISTICS

Anti-HIV-1 gp41 (Clone 10E9) reacts with Human Immunodeficiency Virus Type 1 (HIV-1) gp41 envelope transmembrane protein and its precursor gp160. Under certain conditions this antibody may also react to apparent molecular weight proteins of 160 and 120 kDa in a Western blot of viral lysates. These proteins are the tetrameric and trimeric forms of gp41. This murine monoclonal antibody was raised by immunizing BALB/c mice with purified HIV-1 (Strain IIIB) lysate. It is of the IgG₁ subclass and has been purified from serum-free culture supernatant by protein A chromatography. The antibody is supplied frozen as purified immunoglobulin in phosphate buffered saline.

CONTENTS

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

RECOMMENDED USAGE

Antibody dilutions should be prepared using buffers containing suitable protein in order to stabilize antibody activity. The antibody may be used to detect HIV-1 envelope glycoprotein in virus or infected cell preparations using ELISA, Western blotting, immunofluorescence or immunoprecipitation.

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.

REFERENCE

Papsidero, LD, Poiesz BJ and Montagna RA. 1988 Monoclonal Antibody Identifies a Highly Conserved and Immunodominant Epitope of the Human Immunodeficiency Virus Transmembrane Protein. *Hybridoma* 7:117-128.

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