



## MONOBODIES

### ANTI-HIV-1 gp41

Clone 10E9

Catalog #: 0801006 Unit Size: 100 µg

Catalog #: 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 IgG<sub>1</sub> 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 100 µg 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, Poesz 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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ZeptoMetrix Corporation • 872 Main Street, Buffalo, NY 14202 • Tel (716) 882-0920 • (800) 274-5487 • Fax (716) 882-0959

**FOR RESEARCH USE ONLY. NOT FOR *in vitro* DIAGNOSTIC OR CLINICAL USE**

*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.*