ZeptoMetrix®

Catalog Number:
0801123

MONOBODIES
Anti-HIV-1 gp17
Clone 32/5.8.42

PRODUCT DESCRIPTION:

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 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.

RECOMMENDED STORAGE:

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, 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.

REF	Catalog Number		Temperature Limitation
LOT	Batch Code		Expiration Date
RUO	For Research Use Only		Biological Risk
	Manufacturer		

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