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Mouse Anti-HIV-1 P24 (Core Protein) Monoclonal Antibody Datasheet

Product Name: mAb anti- HIV-1 P24 (Core Protein)

Clone No.: 473

Catalogue No.: MO-I40002A

Quantity: 0.5 mg/vial

Description: Mouse monoclonal antibody to human immunodeficiency virus 1 (HIV-1) p24 (core protein)

Purification: Protein G affinity purified

Product Type: Primary Antibody-**Detection** antibody in matched antibody pair

Target Protein: HIV-1 p24

Immunogen: Purified recombinant HIV-1 p24 (core protein)

Fusion Myeloma: Sp2/0-Ag14

Specificity: This mAb reacts with HIV-1 p24 (core protein). No cross activity with HIV-1 GP41 and HIV-2 GP36 was found.

Species Reactivity: Human immunodeficiency virus, others not tested

Host / Isotype: Mouse, IgG1 Kappa

Formulation: Lyophilized in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Virology

Area:

Background: P24 is the 24KDa, non-glycosylated protein that forms the Core (Capisid) of human immunodeficiency virus (HIV) and other Lentiviruses in the Retroviridae family. P24 is expressed immediately after HIV infection and is detectable before host HIV antibody can be detected. Hence, HIV p24 is currently the target for early diagnosis of HIV acute infection.

Applications: **ELISA:** The antibody can be used as a detection antibody for detection of HIV-1 p24 in sandwich ELISA in combination with anti-HIV-1 p24 capture antibody mAb clone 340 (Cat. No. MO-I40002D2).

Western Blot: The antibody, when used at concentration of 0.1 to 1.0µg/ml, will allow visualization of 100ng/lane recombinant HIV-1 p24 on blot.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administered to human and animals for use in diagnostic and therapeutic procedures.

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