



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

Product Name: mAb anti- HIV-1 p24 (Core Protein)

Clone No.: 163

Catalogue No.: MO-I40002C

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

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

Background: P24 is the 24KDa, non-glycosylated protein that forms the Core (Capsid) 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 reacts with recombinant HIV-1 p24 in ELISA.

Other applications were not evaluated.

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.

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