Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p17 Protein (produced in vitro)

Catalog No. HRP-20081

For research use only. Not for use in humans.

Contributor:
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Manufacturer:
Capricorn Products LLC, Portland, Maine, USA

Product Description:
Antibody Class: IgG1
Monoclonal antibody (mAb) prepared against the Gag matrix (MA) protein p17 of human immunodeficiency virus type 1 (HIV-1) was produced from a mouse hybridoma and purified. This anti-HIV-1 p17 mAb recognizes HIV Gag p17MA.

Material Provided:
Each vial of HRP-20081 contains approximately 50 µL of purified mAb in phosphate-buffered saline (PBS; pH ~ 7.0) with 0.04% sodium azide as a preservative. The concentration, expressed as milligrams per milliliter, is shown on the Certificate of Analysis. Note: Lot 70047197 is past the manufacturer’s expiration date; however, the contributor has indicated that this mAb is likely to work well in the applications listed in the Functional Activity section.

Packaging/Storage:
HRP-20081 was packaged aseptically in screw-capped plastic vials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
HRP-20081 is specific to the Gag MA p17 protein of HIV-1. No cross reactivity with HIV-2, HTLV-I or HTLV-II has been reported. It is recommended to use this mAb at 1:1000 to 1:5000 with anti-mouse IgG1 as a secondary antibody. For electron microscopy (EM), use at 1:60 or 1:70 dilution, then 1:1 with antibody buffer. This mAb labels very well by EM immunogold labeling. Suggested applications are Western blot, immunocytochemistry and immunohistochemistry analysis.

Use Restrictions:
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Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) p17 Protein (produced in vitro), HRP-20081, contributed by Dr. Jaisri Lingappa.”

References:
1. Lingappa, J., Personal Communication.

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