



Category: Monoclonal Antibodies **Cat. #** 1107NF-V7074 **Product Name:** HIV-1 gp120

Description:
Monoclonal Mouse Anti-Human HIV-1 gp120

Immunogen:
HIV-1 infected human cells.

Application:
Immunohistochemistry 1:50-1:100 on frozen tissue sections only.
The optimum conditions should be determined by the individual lab.

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Lymphoid Tissue

Epitope:
not determined.

Presentation:
20 mM phosphate, 150 mM Sodium Chloride, and 0.05% Sodium Azide, pH 7.5. Purified from conc. cell culture medium on Protein A column. This purified mouse immunoglobulin IgG1 contains approx. 10-20% bovine IgG.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4° C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. General info: When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Antibody Diluting Buffer. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

Staining Procedure:
This antibody can be used on frozen tissue sections. The antibody may be used at a dilution of 1:50-1:50-100 in IHC. The optimal conditions should be determined by the individual laboratory.

Specificity:
This antibody reacts with HIV-1 gp120. gp120 binds to overlapping sites in the CDR2-like region in the CD4 domain 1. The interaction between CD4 and gp 120 is needed for viral infection, but this interaction will not allow viral entry into cells.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage.

Size: 0.5 ml
Clone: B463
Isotype: IgG1
Host: Mouse
Form: Concentrated
Concentration: 0.3 mg/ml
Units On Hand: YES

References:
Unpublished:
Related References:
1. Feito, M.J. etal, Intern. Immunol. 9:1141-1147, 1997.

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