

HIV-1 gp120 (PND^{mn}) Monoclonal Antibody

ORDERING INFORMATION

Catalog No. Size

56012-500 500ug

56012-1000 1000ug

Format: Purified by ion exchange chromatography and lyophilized in PBS, pH 7.4; 1mg/ml after reconstitution.

BACKGROUND

Human immunodeficiency virus (HIV) is a retrovirus that infects CD4+ T cells, macrophages and dendritic cells leaving infected individuals susceptible to various opportunistic infections. HIV is a member of the genus Lentivirus, part of the family of Retroviridae. Lentiviruses are transmitted as single-stranded, positive-sense, enveloped RNA viruses. Upon entry into a target cell, viral RNA is converted to double-stranded DNA by a virally encoded reverse transcriptase. Viral DNA is integrated into host cellular DNA by a virally encoded integrase. The virus may become latent or may continue to infect other susceptible cells.

SPECIFICATION SUMMARY

Antigen: Recombinant gp120 (MN strain), a CCR5 and X4 tropic strain.

Host Species: Mouse

Subtype: IgG1

Clone: NYRHIV1gp120

Stabilizers: None

Preservatives: None

APPLICATIONS

ELISA: use at 1-5ug/ml for binding to recombinant gp120.

In vitro virus neutralization: enduser should determine optimal concentrations.

RECONSTITUTION INSTRUCTIONS

Reconstitute in 1ml distilled water. Mix gently and wash the sides of the vial. Wait 1 minute before use.

STORAGE AND STABILITY

This antibody is stable for at least one year. Store lyophilized product at 4°C. After reconstitution, aliquot and store at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for diagnostic or therapeutic procedures.