# PA007683.h1: In Vivo Grade Recombinant Anti-HIV CD4-Binding Site Monoclonal Antibody (Clone: N49P7), Human IgG1 Kappa

**Catalog No.:** PA007683.h1 | **Product Name:** In Vivo Grade Recombinant Anti-HIV CD4-Binding Site Monoclonal Antibody (Clone: N49P7), Human IgG1 Kappa

The research grade anti-HIV CD4-binding site monoclonal antibody (clone N49P7) is for research use only (RUO). Recombinant human IgG1 isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Catalog No.** | PA007683.h1 |
| **Product Name** | In Vivo Grade Recombinant Anti-HIV CD4-Binding Site Monoclonal Antibody (Clone: N49P7), Human IgG1 Kappa |
| **Supplier Name** | Syd Labs, Inc. |
| **Brand Name** | Syd Labs |
| **Clone** | N49P7. |
| **Isotype** | Human IgG1 kappa. |
| **Source/Host** | The in vivo grade recombinant anti-CD4-binding site human IgG1 monoclonal antibody was produced in mammalian cells. |
| **Specificity/Sensitivity** | The in vivo grade recombinant anti-CD4-binding site human IgG1 monoclonal antibody (clone: N49P7) specifically binds to CD4-binding site. |
| **Applications** | ELISA, Western blot, immunohistochemistry (IHC), Flow Cytometry (FC), and various in vitro and in vivo functional assays. |
| **Form Of Antibody** | 0.2 μM filtered solution of 1x PBS. |
| **Endotoxin** | < 1 EU per 1 mg of the protein by the LAL method. |
| **Purity** | >95% by SDS-PAGE under reducing conditions and HPLC. |
| **Shipping & Storage** | The in vivo grade recombinant anti-HIV CD4-binding site monoclonal antibody of clone N49P7 is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below. |
| **Stability & Storage** | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied. |

## REFERENCES & BACKGROUND

Recombinant human IgG1 Monoclonal Antibody.

In Vivo Grade Recombinant Anti-HIV CD4-Binding Site Monoclonal Antibody (Clone: N49P7), Human IgG1 Kappa specifically targets the CD4-binding site of HIV, offering a highly characterized tool for neutralization, structural, and functional assays in HIV research.