PA007171: Recombinant Anti-HIV CD4-Binding Site Human IgG1 Kappa Monoclonal Antibody (Clone: N6), In Vivo Grade

Catalog No.: PA007171 | **Product Name:** In Vivo Grade Recombinant Anti-HIV CD4-Binding Site Monoclonal Antibody (Clone N6), Human IgG1 Kappa

The research grade anti-HIV CD4-binding site monoclonal antibody (clone N6) is for research use only (RUO). Recombinant human IgG1 isotype controls are available.

PRODUCT SPECIFICATIONS

Catalog No.	PA007171
Product Name	In Vivo Grade Recombinant Anti-HIV CD4-Binding Site Monoclonal Antibody (Clone N6), Human IgG1 Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Summary	The in vivo grade recombinant anti-CD4-binding site human IgG1 monoclonal antibody was produced in mammalian cells.
Clone	N6.
Isotype	human IgG1, kappa.
Specificity/Sensitivity	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	Less than 1 EU/mg of protein as determined by LAL method.
Purity	>95% by SDS-PAGE under reducing conditions.
Shipping & Storage	The in vivo grade recombinant anti-HIV CD4-binding site antibody (clone of N6) 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. 1 month from date of receipt, 2 to 8°C as supplied. 3 months from date of receipt, -20°C to -70°C as supplied.

REFERENCES & BACKGROUND

The in vivo grade recombinant anti-CD4-binding site human IgG1 monoclonal antibody was produced in mammalian cells.

Clone N6 is an exceptionally potent broadly neutralizing antibody targeting the CD4-binding site of HIV-1 gp120. It demonstrates extreme breadth and potency by overcoming structural resistance mechanisms near the CD4 binding site, making it a pivotal reagent for HIV neutralization assays and structural biology studies.