PA007179: Recombinant Anti-HIV V1V2 Loop Glycan Human IgG1 Kappa Monoclonal Antibody (Clone: PGDM1400), In Vivo Grade

Catalog No.: PA007179 | **Product Name:** In Vivo Grade Recombinant Anti-HIV V1V2 Loop Glycan Monoclonal Antibody (Clone PGDM1400), Human IgG1 Kappa

The research grade anti-HIV V1V2 loop glycan monoclonal antibody (clone PGDM1400) is for research use only (RUO). Recombinant human IgG1 isotype controls are available.

PRODUCT SPECIFICATIONS

Catalog No.	PA007179
Product Name	In Vivo Grade Recombinant Anti-HIV V1V2 Loop Glycan Monoclonal Antibody (Clone PGDM1400), Human IgG1 Kappa
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Summary	The in vivo grade recombinant anti-HIV V1V2 loop glycan human IgG1 monoclonal antibody was produced in mammalian cells.
Clone	PGDM1400.
Isotype	human IgG1, kappa.
Specificity/Sensitivity	HIV V1V2 loop glycan.
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 V1V2 loop glycan antibody (clone of PGDM1400) 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-HIV V1V2 loop glycan human IgG1 monoclonal antibody was produced in mammalian cells.

Clone PGDM1400 is an extremely potent broadly neutralizing monoclonal antibody targeting the V1V2 loop glycan apex of the HIV-1 envelope glycoprotein trimer. It exhibits exceptionally broad and potent neutralization capability against diverse HIV strains, rendering it a foundational tool for passive immunization studies and structural biology research.