PA007172: Recombinant Anti-HIV V3 Loop Glycan Human IgG1 Lambda Monoclonal Antibody (Clone: PGT121), In Vivo Grade

Catalog No.: PA007172 | **Product Name:** In Vivo Grade Recombinant Anti-HIV V3 Loop Glycan Monoclonal Antibody (Clone PGT121), Human IgG1 Lambda

The research grade anti-HIV V3 loop glycan monoclonal antibody (clone PGT121) is for research use only (RUO). Recombinant human IgG1 isotype controls are available.

PRODUCT SPECIFICATIONS

Catalog No.	PA007172
Product Name	In Vivo Grade Recombinant Anti-HIV V3 Loop Glycan Monoclonal Antibody (Clone PGT121), Human IgG1 Lambda
Supplier Name	Syd Labs, Inc.
Brand Name	Syd Labs
Summary	The in vivo grade recombinant anti-HIV V3 loop glycan human IgG1 monoclonal antibody was produced in mammalian cells.
Clone	PGT121.
Isotype	human IgG1, lambda.
Specificity/Sensitivity	HIV V3 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 V3 loop glycan antibody (clone of PGT121) 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 V3 loop glycan human IgG1 monoclonal antibody was produced in mammalian cells.

Clone PGT121 is a potent broadly neutralizing antibody targeting the complex glycans at the base of the V3 loop of HIV-1 gp120. It recognizes complex and high-mannose N-linked glycans, serving as an essential tool for viral entry inhibition studies, neutralization profiling, and structural biology.