

Biotinylated Monoclonal Anti-PNU-159682 Antibody, Rabbit IgG (P1D10)

Catalog # PNU-BMY2370



Source

Biotinylated Monoclonal Anti-PNU-159682 Antibody, Rabbit IgG (P1D10) is a recombinant rabbit monoclonal antibody expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

P1D10

Isotype

Rabbit IgG, Kappa

Host Species

Rabbit

Conjugate

Biotinylated

Specificity

Specifically recognizes PNU.

Application

Application	Recommended Use
PK Assay Development	0.5 µg/mL (500 ng/mL)

** Recommended dilutions are for reference only. Optimal working concentrations may vary depending on your consumables, reagents, and assay conditions. We recommend optimizing for your specific system. No warranty is made regarding performance at any specific dilution.*

Purification

Protein A purified.

Aggregation

Less than 5%, as determined by SEC-MALS.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.01% PF68, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

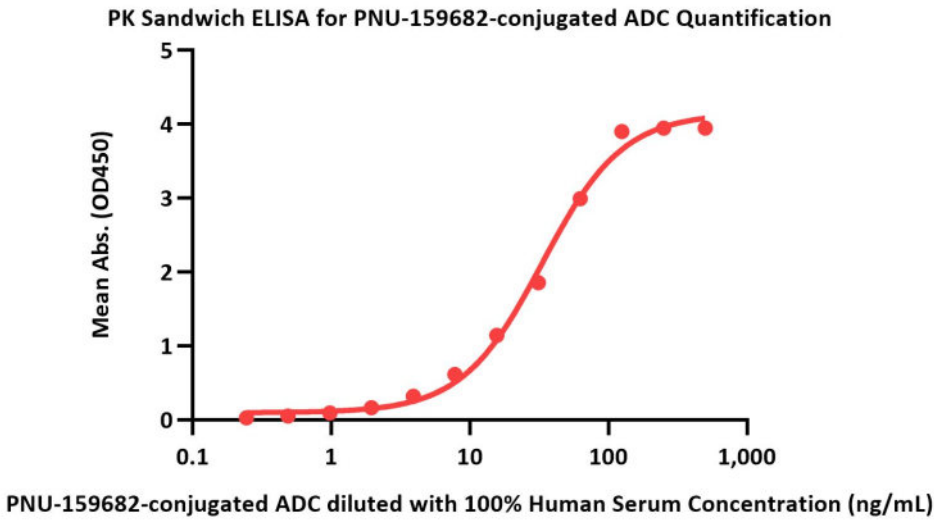
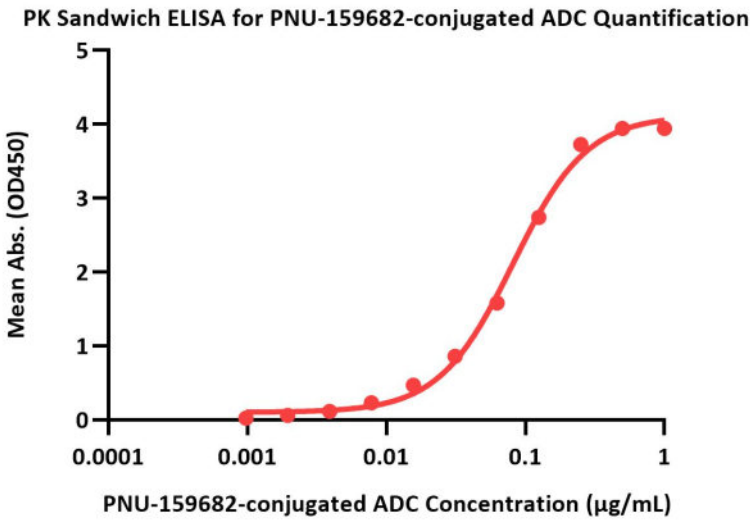
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Notices

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

Activity-ELISA



Dinitrophenyl-BSA Conjugate (Cat. No. NMI-BMY2364) was immobilized at 10 µg/mL. Dinitrophenyl-BSA Conjugate was added, followed by Biotinylated Monoclonal Anti-PNU-159682 Antibody, Rabbit IgG (P1D10) (Cat. No. PNU-BMY2370) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).

Dinitrophenyl-BSA Conjugate (Cat. No. NMI-BMY2364) was immobilized at 10 µg/mL. Dinitrophenyl-BSA Conjugate diluted in 100% human serum was added, followed by Biotinylated Monoclonal Anti-PNU-159682 Antibody, Rabbit IgG (P1D10) (Cat. No. PNU-BMY2370) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely tested).

Background

PNU-159682 is a topoisomerase II inhibitor serving as a payload for antibody-drug conjugates (ADCs). Its mechanism of action involves stabilizing the complex formed by topoisomerase II and DNA, blocking DNA repair and replication processes, and thereby inducing cancer cell apoptosis. Some ADCs containing PNU-159682 have entered the preclinical research stage, showing targeted killing activity in solid tumor models, with particularly significant effects on tumors with high topoisomerase II expression.



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