Biotinylated Monoclonal Anti-Doxorubicin Antibody, Rabbit IgG (1M2C3)

Catalog # DON-BMY2216

Source

Biotinylated Monoclonal Anti-Doxorubicin Antibody, Rabbit IgG (1M2C3) is a recombinant rabbit monoclonal antibody expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

1M2C3

Isotype

Rabbit IgG, Kappa

Host Species

Rabbit

Conjugate

Biotinylated

Specificity

Specifically recognizes Doxorubicin.

Application

Application	Recommended Use
PK Assay Development	0.05 μg/mL (50 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 10%, 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 in a 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.

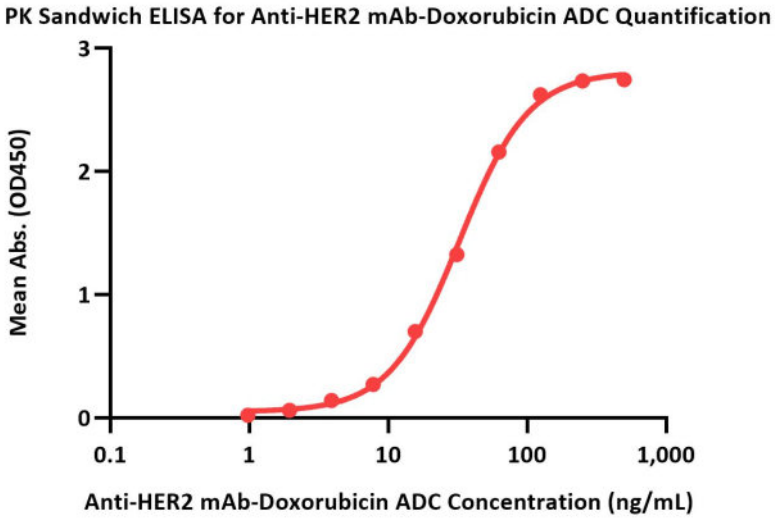
Notices

Product Specific Notices: For research use only.

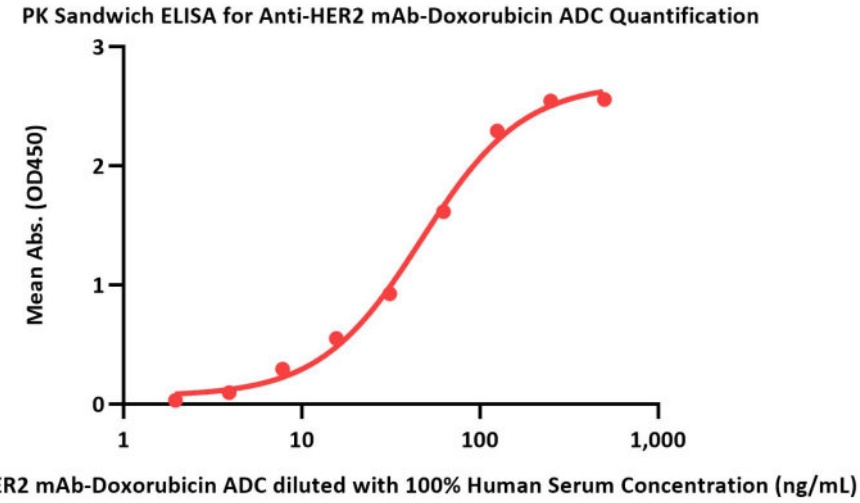
ACRO Quality Management System

- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

Activity-ELISA



Human Her2, His Tag (Cat. No. HE2-H5225) was immobilized at 1 μg/mL. Anti-HER2 mAb-Doxorubicin ADC was added, followed by Biotinylated Monoclonal Anti-Doxorubicin Antibody, Rabbit IgG (1M2C3) (Cat. No. DON-BMY2216) at 0.05 μg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).



Human Her2, His Tag (Cat. No. HE2-H5225) was immobilized at 1 μg/mL. Anti-HER2 mAb-Doxorubicin ADC diluted in 100% human serum was added, followed by Biotinylated Monoclonal Anti-Doxorubicin Antibody, Rabbit IgG (1M2C3) (Cat. No. DON-BMY2216) at 0.05 μg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely tested).

Background

Doxorubicin, a cytotoxic anthracycline antibiotic, is an anti-cancer chemotherapy agent. As the payload of ADC drugs, Doxorubicin can act directly on DNA, insert into the double helix strands of DNA, cause the latter to unwind, change the template properties of DNA, and inhibit DNA polymerase, thereby inhibiting the synthesis of both DNA and RNA.. Anti-Doxorubicin antibody is a rabbit monoclonal antibody specifically reacts with Doxorubicin without other payloads, which is more sensitive than mouse antibody. The anti-Doxorubicin antibody is a useful reagent in PK assay to determine conjugated antibodies.

Discounts, Gifts, and more!