

Specificity

Specifically recognizes Doxorubicin.

Source

Monoclonal Anti-Doxorubicin specific Antibody, Rabbit IgG (1M2B1) is a Rabbit monoclonal antibody recombinantly expressed from HEK293 cells.

Clone

1M2B1

Isotype

Rabbit IgG | Rabbit Kappa

Conjugate

Unconjugated

Immunogen

Doxorubicin-BSA

Application

Application	Recommended Usage
ELISA	0.06-125 ng/mL

Purification

Protein A purified / Protein G purified

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

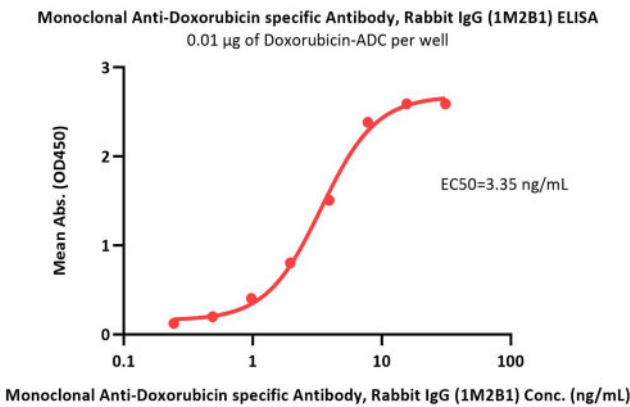
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

Bioactivity-ELISA



Immobilized Doxorubicin-ADC at 0.1 µg/mL (100 µL/well) can bind Monoclonal Anti-Doxorubicin specific Antibody, Rabbit IgG (1M2B1) (Cat. No. DON-MY2215) with a linear range of 0.06-8 ng/mL (QC tested).

Background



# Monoclonal Anti-Doxorubicin specific Antibody, Rabbit IgG (1M2B1)

Catalog # DON-MY2215



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 Doxorubin 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.

