

Monoclonal Anti-PTX Antibody, Mouse IgG2a (MALS verified)

Catalog # PTX-S343



Source

Monoclonal Anti-PTX Antibody, Mouse IgG2a is recombinantly produced from human 293 cells (HEK293).

Isotype

Mouse IgG2a/kappa

Specificity

This product is a specific antibody specifically reacts with PTX.

Application

ELISA

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

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

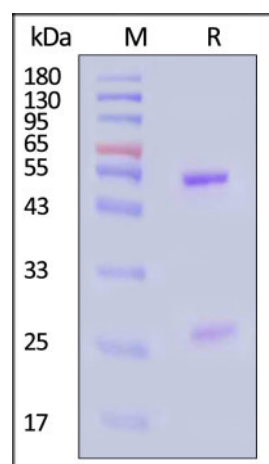
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

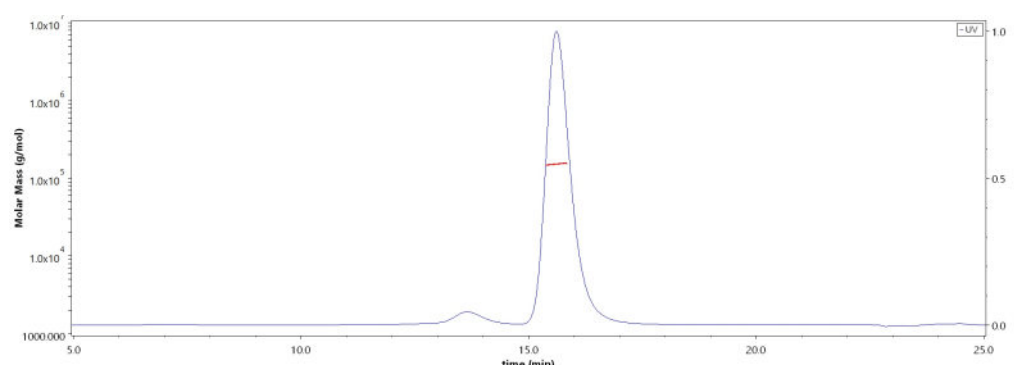
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Monoclonal Anti-PTX Antibody, Mouse IgG2a on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Monoclonal Anti-PTX Antibody, Mouse IgG2a (Cat. No. PTX-S343) is more than 90% and the molecular weight of this protein is around 140-160 kDa verified by SEC-MALS.

[Report](#)

Bioactivity-Elisa

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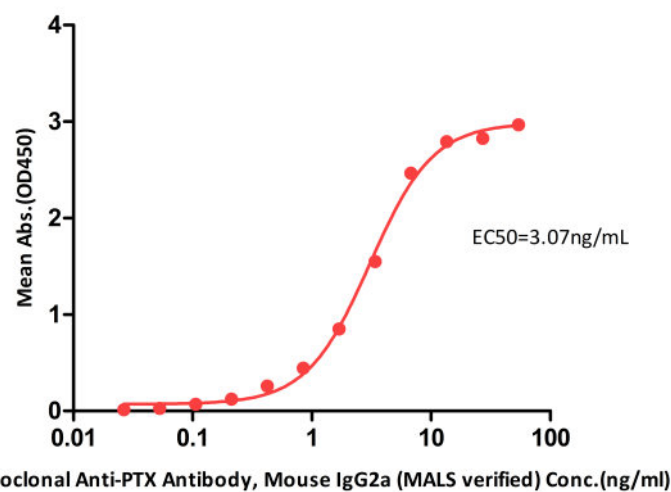
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BIOSYSTEMS
Acro

Monoclonal Anti-PTX Antibody, Mouse IgG2a (MALS verified) ELISA

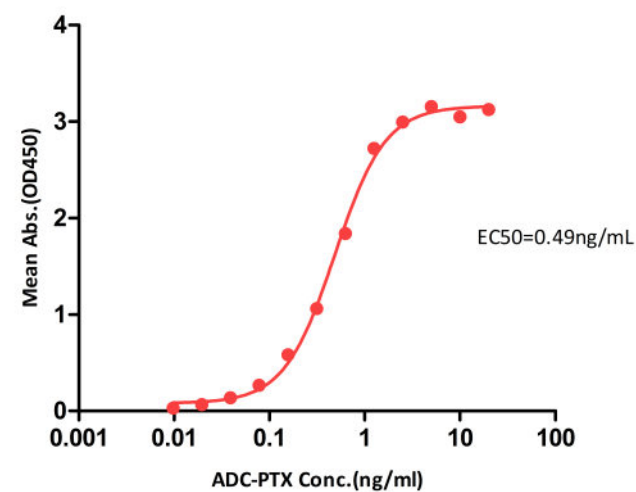
0.1 µg ADC-PTX per well



Immobilized ADC-PTX at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-PTX Antibody, Mouse IgG2a (Cat. No. PTX-S343) with a linear range of 0.106-6.767 ng/mL (QC tested).

Monoclonal Anti-PTX Antibody, Mouse IgG2a (MALS verified) ELISA

0.2 µg of Human TROP-2 / TACSTD2 Protein, His Tag (MALS verified) per well



Immobilized Human TROP-2 / TACSTD2 Protein, His Tag (MALS verified) (Cat. No. TR2-H5223) at 2 µg/mL, add increasing concentrations of ADC-PTX, and then add Monoclonal Anti-PTX Antibody, Mouse IgG2a (Cat. No. PTX-S343) at 0.54 µg/mL. Detection was performed using HRP-conjugated Goat Anti-Mouse IgG with sensitivity of 0.04 ng/mL (Routinely tested).

Background

Paclitaxel(ADC-PTX), a natural anticancer drug, has been widely used in the treatment of breast cancer, ovarian cancer and some head, neck and lung cancers. As a diterpenoid alkaloid with anticancer activity, paclitaxel has been greatly favored by botanists, chemists, pharmacologists and molecular biologists due to its novel and complex chemical structure, extensive and significant biological activity, new and unique mechanism of action, and scarce natural resources, making it the star and research focus of anticancer in the second half of the 20th century.

Clinical and Translational Updates

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