



Source

Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with DM-1.

Isotype

Mouse IgG1/kappa

Specificity

This product is a specific antibody specifically reacts with DM-1.

Application

ELISA

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4.

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

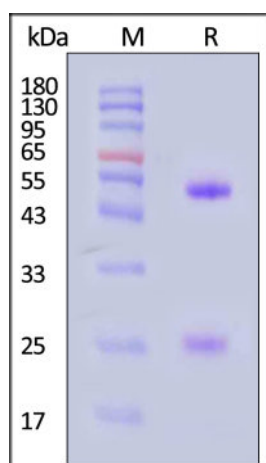
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

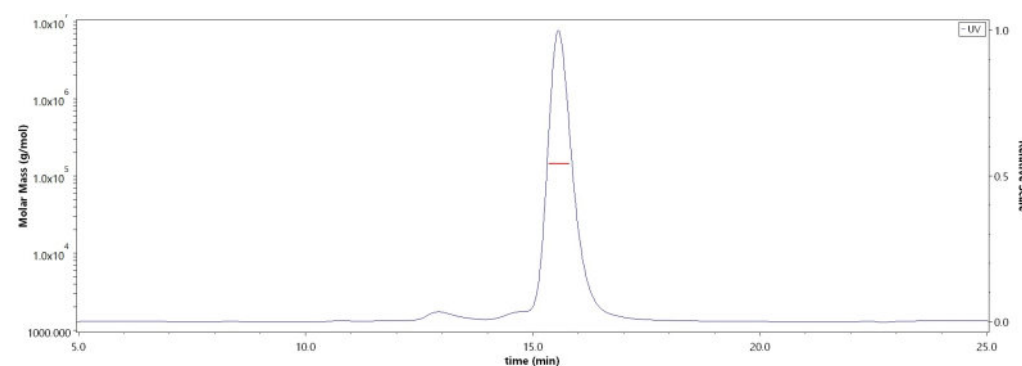
SDS-PAGE



Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 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](#)).

Bioactivity-Elisa

SEC-MALS



The purity of Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (Cat. No. DM1-Y73) is more than 90% and the molecular weight of this protein is around 135-155 kDa verified by SEC-MALS.

[Report](#)

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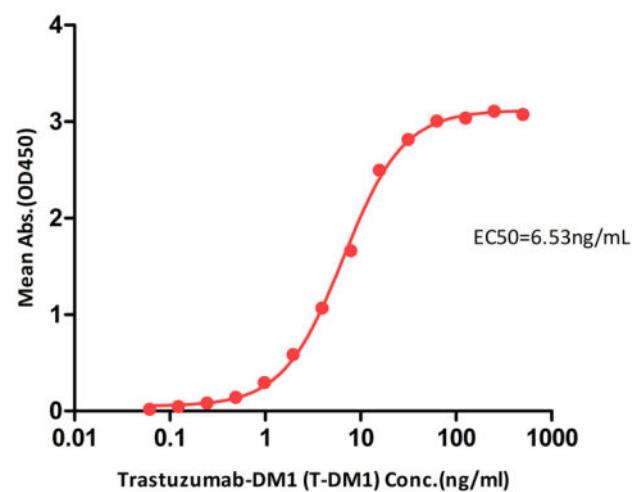
Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (MALS verified)

Catalog # DM1-Y73



BIOSYSTEMS
Acro
Surprise Inside!

Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (MALS verified) ELISA
0.2 µg of Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (MALS verified) per well



DM-1 ELISA

Immobilized ADC-DM4 at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (Cat. No. DM1-Y73) with a linear range of 0.20-6.25ng/mL (Routinely tested).

Immobilized Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (Cat. No. DM1-Y73) at 2 µg/mL, add increasing concentrations of Trastuzumab-DM1 (T-DM1), and then add Biotinylated Human Her2, His,Avitag, premium grade (Cat. No. HE2-H82E2) at 8 µg/mL. Detection was performed using HRP-conjugated streptavidin with sensitivity of 0.5 ng/mL (QC tested).

Background

Mertansine (DM-1) is a tubulin inhibitor that binds to the ends of microtubules and inhibits microtubule dynamics. DM-1(Mertansine) has antitumor activity and functions as a regulator of tubulin. It is an alpha-amino acid ester, a carbamate, an epoxide, an organic heterocyclic tetracyclic compound, an organochlorine compound, a mercaptan, and a maydenin alkaloid. DM-1, derived from Mydenin, is a cytotoxic component of antibody-drug conjugations that produce antibody-drug conjugations via a sulfhydryl group splice with SPP (n-succinimide 4- (2-pyridyl dithio)) or SMCC (4- (3-mercapto-2, 5-dioxy-1 pyrrolidyl) -cyclohexanic acid) splice.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

Discounts, Gifts,
and more!



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