

Specificity

This product is a specific antibody specifically reacts with DM-1&DM-4.

Source

Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 is a Mouse monoclonal antibody produced from a hybridoma created by fusing SP2/0 myeloma and Mouse B-lymphocytes.

Isotype

Mouse IgG1 | Mouse Kappa

Conjugate

Biotin

Reactivity

Chemical

Immunogen

DM-1

Application

Application	Recommended Usage
ELISA	4-500 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

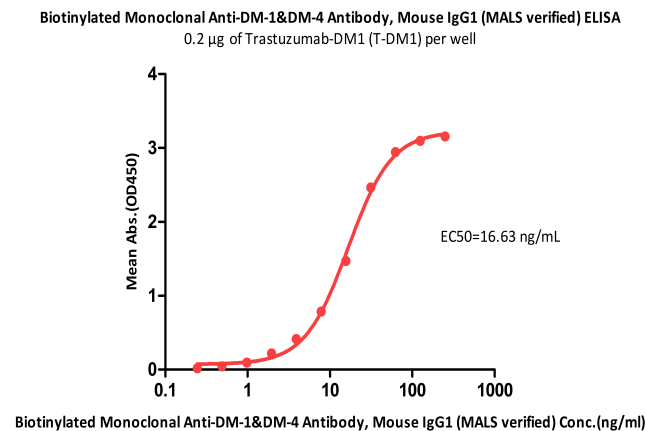
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

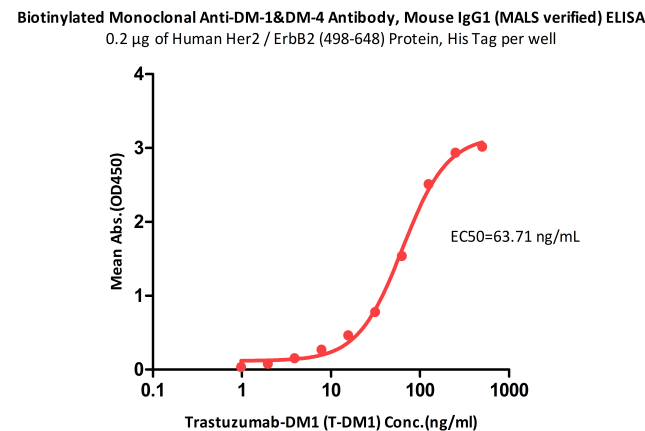
This product is stable after storage at:

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

Bioactivity-ELISA



Immobilized Trastuzumab-DM1 (T-DM1) at 2 μg/mL (100 μL/well) can bind Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (MALS verified) (Cat. No. DM1-BLY73) with a linear range of 0.98-31.25 ng/mL (QC tested).



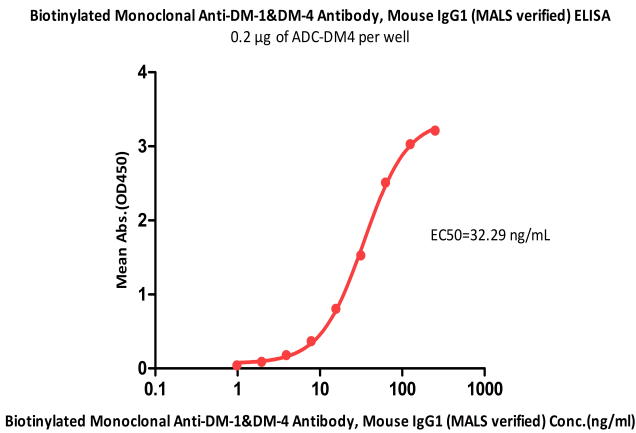
Immobilized Human Her2 / ErbB2 (498-648) Protein, His Tag (Cat. No. HE2-H52H4) at 2 μg/mL, add increasing concentrations of Trastuzumab-DM1 (T-DM1), and then add Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (MALS verified) (Cat. No. DM1-BLY73) at 0.5 μg/mL. Detection was performed using HRP-conjugated streptavidin with sensitivity of 1.95 ng/mL (Routiney tested).

Discounts, Gifts,
and more!

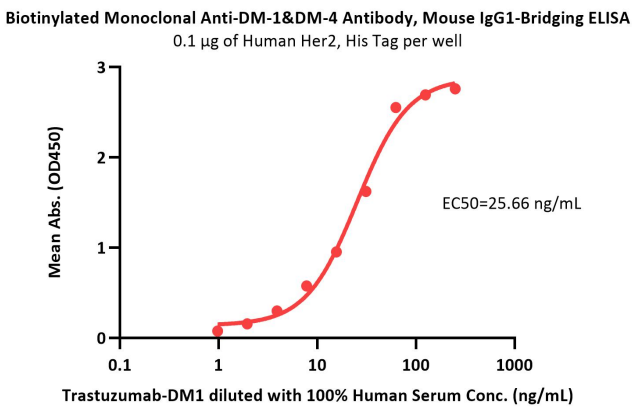


Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1

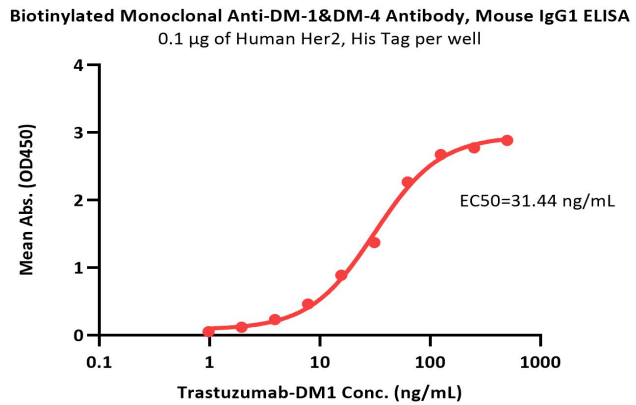
Catalog # DM1-BLY73



Immobilized ADC-DM4 at 2 µg/mL (100 µL/well) can bind Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (MALS verified) (Cat. No. DM1-BLY73) with a linear range of 1.95-62.5 ng/mL (Routiney tested).



Immobilized Human Her2, His Tag (Cat. No. HE2-H5225) at 1 µg/mL, add Trastuzumab-DM1 in the 100% Human Serum and then add Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (Cat. No. DM1-BLY73) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).



Immobilized Human Her2, His Tag (Cat. No. HE2-H5225) at 1 µg/mL, add Trastuzumab-DM1 in the 0.5% BSA and then add HRP conjugated Biotinylated Monoclonal Anti-DM-1&DM-4 Antibody, Mouse IgG1 (Cat. No. DM1-BLY73) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely 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.

