

Biotinylated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1

Catalog # DXD-BLM684



Source

Biotinylated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 is a Mouse monoclonal antibody recombinantly expressed from HEK293 cells.

Species

Mouse

Isotype

Mouse IgG1 | Mouse kappa

Conjugate

Biotin

Antibody Type

Recombinant Monoclonal

Reactivity

Chemical

Immunogen

DXD.

Specificity

Specifically recognizes the target-DXD.

Application

Application	Recommended Usage
ELISA	0.5-125 ng/mL

Purity

>90% as determined by SDS-PAGE.

Purification

Protein A purified/ Protein G purified

Formulation

Supplied as 0.2 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

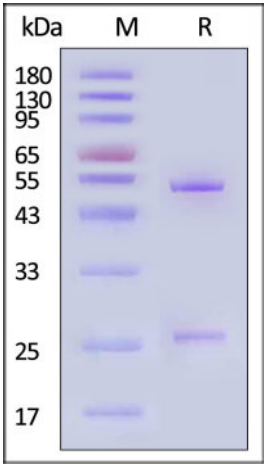
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

SDS-PAGE



Biotinylated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue.



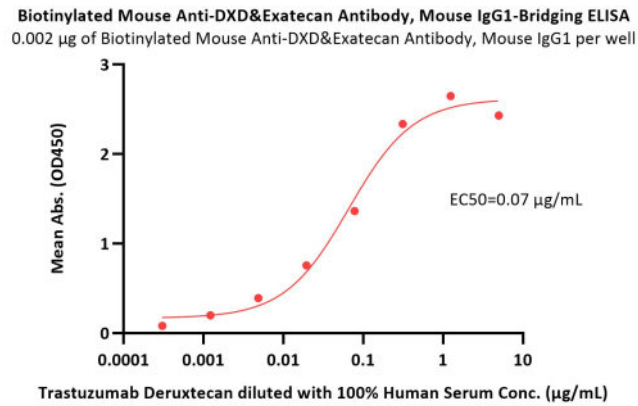
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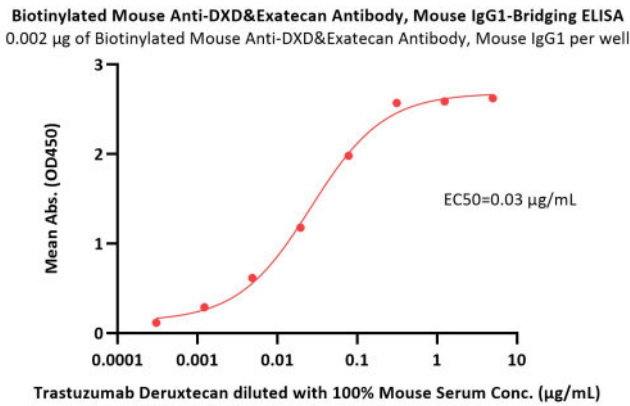


The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

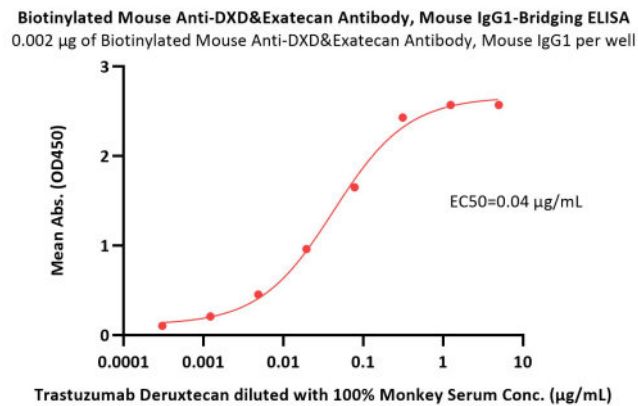
Bioactivity-ELISA



Immobilized Human Her2, His Tag (Cat. No. HE2-H5225) at 1 µg/mL, add Trastuzumab Deruxtecan in the 100% Human serum and then add Biotinylated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 (Cat. No. DXD-BLM684) at 0.02 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 Deruxtecan in the 100% Mouse serum and then add Biotinylated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 (Cat. No. DXD-BLM684) at 0.02 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely tested).



Immobilized Human Her2, His Tag (Cat. No. HE2-H5225) at 1 µg/mL, add Trastuzumab Deruxtecan in the 100% Monkey serum and then add Biotinylated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 (Cat. No. DXD-BLM684) at 0.02 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely tested).

Background

Dxd (Exatecan ADC derivative) is a potent D topoisomerase I inhibitor with an IC50 of 0.31 uM for targeting ADCs (DS-8201A). Dxd was cytotoxic to human tumor cell lines KPL-4, NCI-N87 and SK-BR, 3 and the IC50s of MDA-MB-468 was 1.43 NM-4.07 nM, while IgGADC (Dxd as payload) had no inhibitory effect on HER2 expression in the 4 cell lines. DS8201a (Dxd as payload) had a significant inhibitory effect on HER2-positive KPL-4 and NCI cell lines N87 and SK-BR with IC50 values of 26.8, 25.4 and 6.7 ng/mL, respectively, but had no inhibitory effect on MDA MB-468 (IC50, > 10000 - mL). HRP-anti-DXD-antibody is a conjugation product of HRP and anti-DXD-antibody. It can be used in PK, PD analysis and ELISA.

Clinical and Translational Updates

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