



Source

HRP conjugated Monoclonal Anti-DXD&Exatecan Antibody, Mouse IgG1 is recombinantly produced from human 293 cells (HEK293).

Isotype

Mouse IgG1/kappa

Specificity

Specifically recognizes the target-DXD.

Application

PK, PD, Immunoassay and ELISA

Purity

>90% as determined by SDS-PAGE.

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

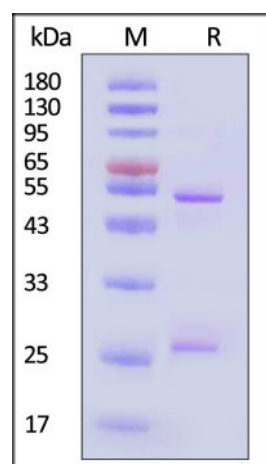
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



HRP conjugated Monoclonal Anti-DXD&Exatecan 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 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-Elisa

Discounts, Gifts,
and more!



HRP conjugated Monoclonal Anti-DXD&Exatecan Antibody, Mouse IgG1

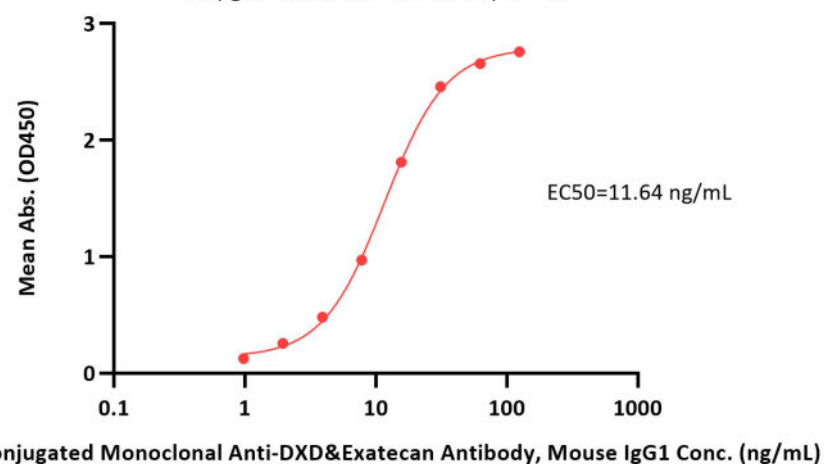
Catalog # DXD-PLM684



BIOSYSTEMS
Acro

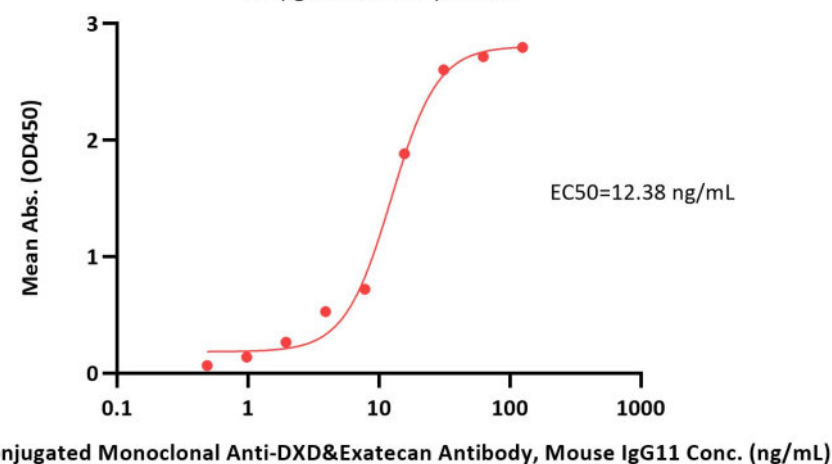
HRP conjugated Monoclonal Anti-DXD&Exatecan Antibody, Mouse IgG1 ELISA

0.1 µg of Trastuzumab-Exatecan per well



HRP conjugated Monoclonal Anti-DXD&Exatecan Antibody, Mouse IgG1 ELISA

0.1 µg of ADC-DXD per well



Immobilized Trastuzumab-Exatecan at 1 µg/mL (100 µL/well) can bind HRP conjugated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 (Cat. No. DXD-PLM684) with a linear range of 1-16 ng/mL (QC tested).

Immobilized ADC-DXD at 1 µg/mL (100 µL/well) can bind HRP conjugated Mouse Anti-DXD&Exatecan Antibody, Mouse IgG1 (Cat. No. DXD-PLM684) with a linear range of 0.5-31 ng/mL (Routinely tested).

Background

Dxd (Exatecan ADC derivative) is a potent DNA topoisomerase I inhibitor with an IC₅₀ of 0.31 µM 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

Discounts, Gifts,
and more!



www.acrobiosystems.com

3/12/2024