

Biotinylated Anti-DXD&Exatecan Antibody, Mouse IgG1, Avitag™ (MALS verified)

Catalog: BS66194M

Host: Mouse

Reactivity:

BackGround:

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

Product:

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Molecular Weight:

Swiss-Prot:

Purification&Purity:

Protein A purified / Protein G purified

Applications:

ELISA 1-5000 ng/mL

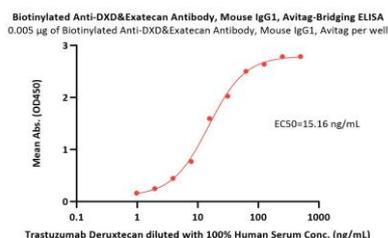
Storage&Stability:

-20 $^{\circ}$ C to -70 $^{\circ}$ C for 12 months in lyophilized state;
-70 $^{\circ}$ C for 3 months under sterile conditions after reconstitution.

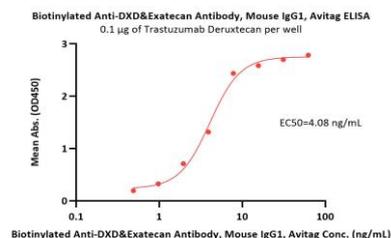
Specificity:

Specifically recognizes the target-DXD.

DATA:



Immobilized Human Her2, His Tag at 1 μ g/mL, add Trastuzumab Deruxtecan in the 100% Human Serum and then add Biotinylated Anti-DXD&Exatecan Antibody, Mouse IgG1, Avitag at 0.05 μ g/mL. Detection was performed using HRP-conjugated Streptavidin (QC tested).



Immobilized Trastuzumab Deruxtecan at 1 μ g/mL (100 μ L/well) can bind Biotinylated Anti-DXD&Exatecan Antibody, Mouse IgG1, Avitag with a linear range of 0.5-8 ng/mL (Routinely tested).

Note:

For research use only, not for use in diagnostic procedure.

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