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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Dxd [12G9-2] Bulk Size Ab04094-10.0-BT

Isotype and Format: Human IgG1, Kappa

Clone Number: 12G9-2

Alternative Name(s) of Target: Exatecan derivative; Camptothecin analog

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: The original antibody was generated by immunizing BALB/c mice with Dxd-KLH conjugate.

Specificity: This antibody binds Dxd, an anti-cancer alkaloid camptothecin analog, which is a potent DNA topoisomerase I (TOP1) inhibitor. By forming a stable ternary complex with TOP1 and DNA, it arrests the cell cycle to S phase, thereby preventing DNA replication and causing cell death. DxD is used for the generation of antibody-drug conjugates for targeted delivery of toxic materials to cancerous cells. A HER2 targeting -DxD drug conjugate (DS-8201a) shows potent antitumor activity in HER2-positive models

Application Notes: The binding reactivity of this antibody towards Dxd-KLH and Dxd-BSA conjugates was determined using ELISA. This antibody is capable of binding antibody-drug conjugates ADC-8201 and ADC029 in a competitive ELISA, wherein the antibody was trastuzumab. The binding affinity of this antibody towards Dxd-BSA was determined using surface plasmon resonance (SPR) and it was reported to be $K_d = 3.38\text{nM}$ (CN115677857).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.