



Mouse Anti-Dxd monoclonal antibody, clone 13 (CABT-L828M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Dxd
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	13
Purification	Affinity Chromatography
Conjugate	Unconjugated
Applications	ELISA
Format	Purified, Liquid
Concentration	Lot specific
Size	100 µL
Buffer	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
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Storage	Short term: store at -20°C. Long term: aliquot and store at -80°C.
Ship	Wet ice

BACKGROUND

Introduction Dxd (Exatecan derivative for ADC) is a potent DNA topoisomerase I inhibitor, with an IC₅₀ of 0.31 μM, used as a conjugated drug of HER2-targeting ADC (DS-8201a). Dxd is cytotoxic to human cancer cell lines of KPL-4, NCI-N87, SK-BR-3, and MDA-MB-468 with IC₅₀s of 1.43nM-4.07 nM, but the control IgG-ADC (Dxd is the payload) shows no inhibition on the four cell lines (with HER2 expression). DS-8201a (Dxd is the payload) displays significant suppression on the HER2-positive KPL-4, NCI-N87, and SK-BR-3 cell lines, with IC₅₀ values of 26.8, 25.4, and 6.7 ng/mL, respectively, but with no such inhibition on MDA-MB-468 (IC₅₀, >10,000 ng/mL).

Keywords Dxd

GENE INFORMATION

Synonyms Dxd