

PRODUCT INFORMATION

Clone ID	1A1
Target	Dxd
Synonyms	N.A.
Host Species	Rabbit
Description	Anti-Dxd antibody(1A1); Rabbit mAb
Delivery	In Stock
Uniprot ID	N.A.
IgG type	Rabbit IgG
Clonality	Monoclonal
Reactivity	N.A.
Applications	ELISA
Recommended Dilutions	ELISA 1:5000-10000
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Dxd is a potent anti-cancer drug, acting as an alkaloid camptothecin analog and a DNA topoisomerase I inhibitor. It forms a stable complex with topoisomerase I and DNA, impeding DNA replication and inducing cancer cell death. Dxd is utilized as a payload in specific antibody-drug conjugates (ADCs), with examples such as trastuzumab deruxtecan targeting HER2 and patritumab deruxtecan targeting HER3.
Usage	Research use only



**ELISA assay to evaluate Anti-Dxd Antibody**  
0.2µg Human IgG-Dxd per well

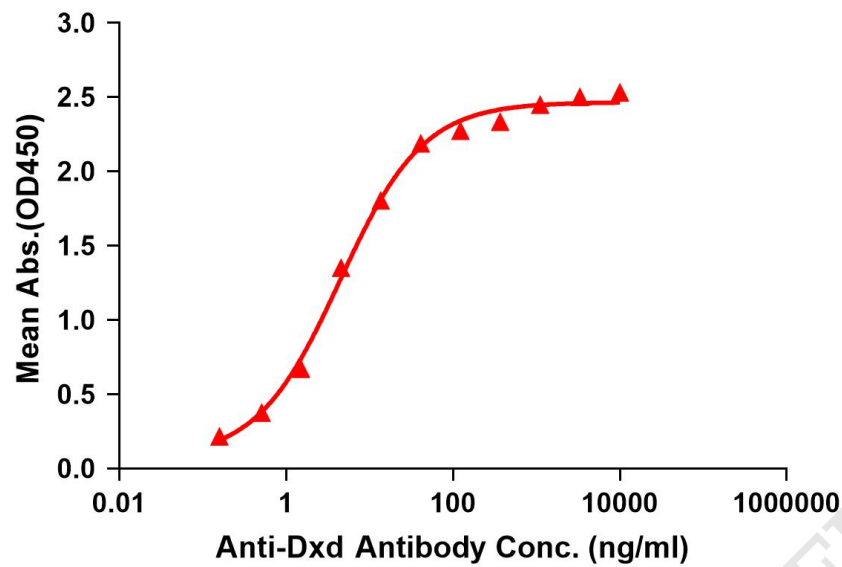


Figure1. Elisa plates were pre-coated with IgG-Dxd (0.2µg/per well). Serial diluted anti-Dxd monoclonal antibody (DME101024) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Dxd monoclonal antibody binding with IgG-Dxd is 4.440ng/ml.

