PRODUCT INFORMATION

Clone ID	1A12
Target	Dxd
Synonyms	N.A.
Host Species	Rabbit
Description	Anti-Dxd antibody(1A12); 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
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
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
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scr

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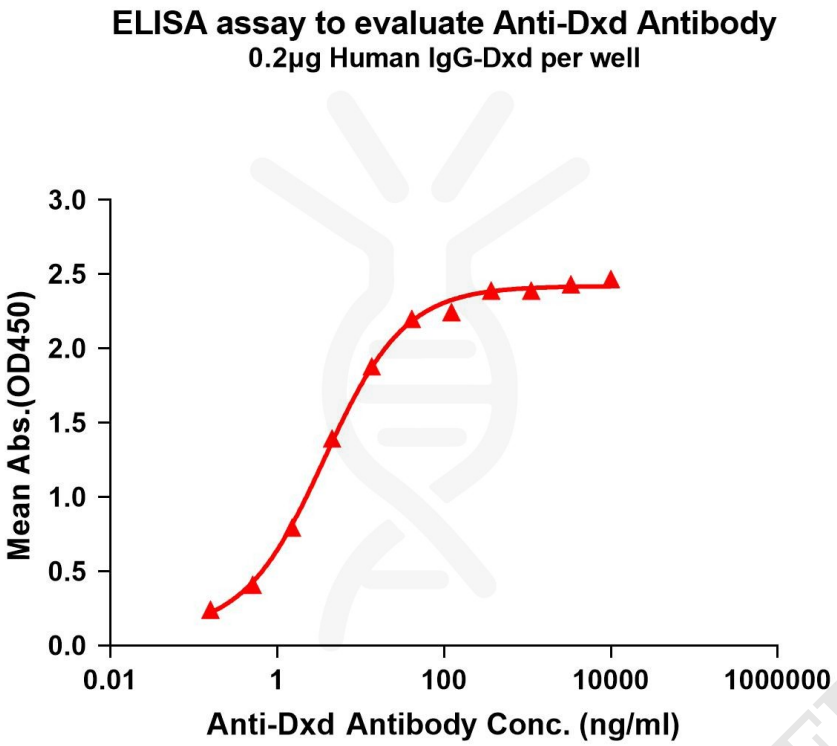

Figure1. Elisa plates were pre-coated with IgG-Dxd (0.2μg/per well). Serial diluted anti-Dxd monoclonal antibody (DME101026) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Dxd monoclonal antibody binding with IgG-Dxd is 3.690ng/ml.

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