

Product datasheet for **TA421202S**

Dxd Rabbit Monoclonal Antibody [Clone ID: 1A12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1A12
Applications:	ELISA
Recommended Dilution:	ELISA 1:5000–10000
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Reconstitution Method:	Reconstitute with sterile, low-endotoxin water. See the COA for more details
Concentration:	Lot specific
Purification:	Purified from cell culture supernatant by affinity chromatography
Conjugation:	Unconjugated
Storage:	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)
Stability:	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.



Product images:

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

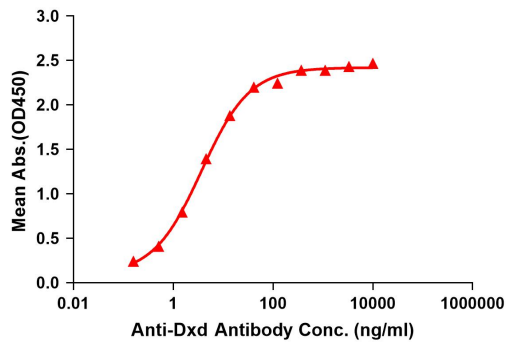


Figure 1. Elisa plates were pre-coated with IgG-Dxd (0.2µg/per well). Serial diluted anti-Dxd monoclonal antibody ([TA421202]) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Dxd monoclonal antibody binding with IgG-Dxd is 3.690ng/ml.