

## Product datasheet for **TA421200**

### **Dxd Rabbit Monoclonal Antibody [Clone ID: 1A1]**

#### **Product data:**

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Type:</b>          | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clone Name:</b>            | 1A1                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications:</b>          | ELISA                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Recommended Dilution:</b>  | ELISA 1:5000–10000                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host:</b>                  | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype:</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clonality:</b>             | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reconstitution Method:</b> | Reconstitute with sterile, low-endotoxin water. See the COA for more details                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration:</b>         | Lot specific                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification:</b>          | Purified from cell culture supernatant by affinity chromatography                                                                                                                                                                                                                                                                                                                                                 |
| <b>Conjugation:</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage:</b>               | 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)                                                                                                                                                                                                                         |
| <b>Stability:</b>             | 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).<br>Lyophilized proteins are shipped at ambient temperature.                                                                                                                                                            |
| <b>Background:</b>            | 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

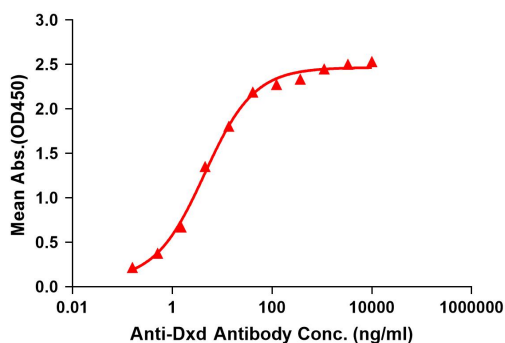


Figure 1. Elisa plates were pre-coated with IgG-Dxd (0.2µg/per well). Serial diluted anti-Dxd monoclonal antibody (TA421200) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Dxd monoclonal antibody binding with IgG-Dxd is 4.440ng/ml.