

PRODUCT INFORMATION

|                              |   |
|------------------------------|---|
| Clone ID                     | 1A5   |
| Target                       | Dxd   |
| Synonyms                     | N.A.  |
| Host Species                 | Rabbit  |
| Description                  | Biotinylated Anti-Dxd antibody(1A5); 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   |
| Conjugate                    | Biotinylated  |
| 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  |



**Elisa assay to evaluate Biotinylated Anti-Dxd antibody**  
**0.2µg Human IgG Dxd per well**

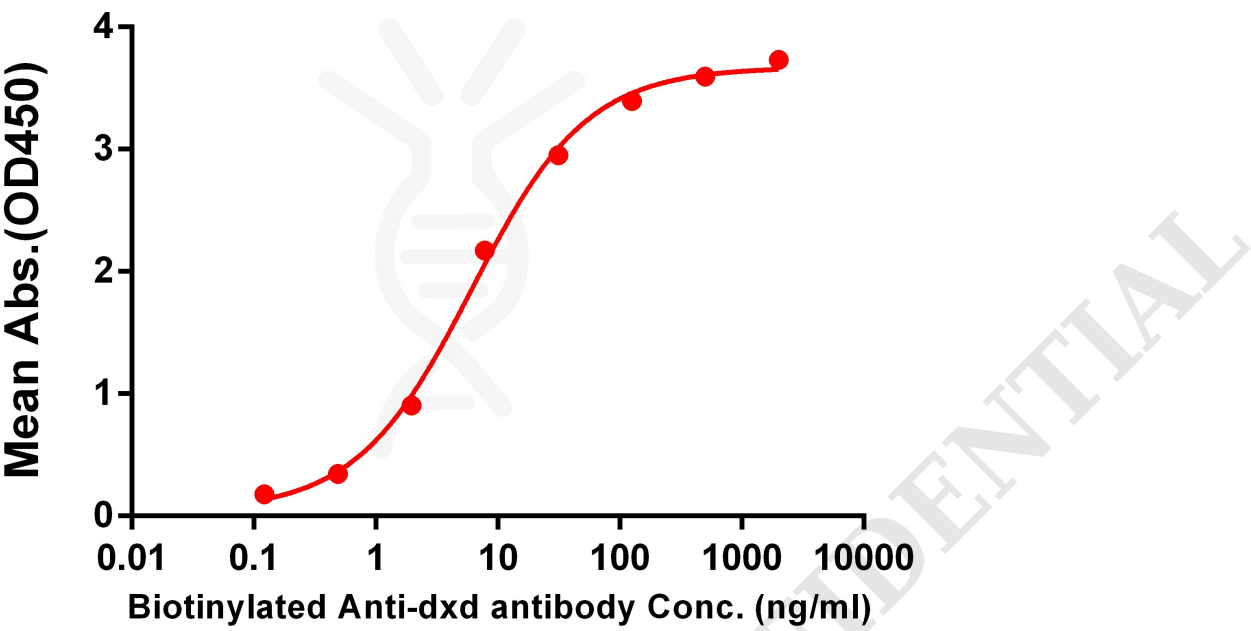


Figure 1. Elisa plates were pre-coated with IgG-Dxd (0.2µg/per well). Serial diluted Biotinylated anti-Dxd monoclonal antibody (DME101025B) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Biotinylated anti-Dxd monoclonal antibody binding with IgG-Dxd is 6.1 ng/ml.

