

## 12-9552: Anti-Dxd antibody(1A12); Rabbit mAb

**Clonality :** Monoclonal  
**Clone Name :** 1A12  
**Application :** ELISA  
**Reactivity :** N.A.  
**Isotype :** Rabbit IgG

### Description

Description :Anti-Dxd antibody(1A12); Rabbit mAb

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 Info

**Amount :** 10 µg / 100 µg  
**Purification :** Purified from cell culture supernatant by affinity chromatography  
**Content :** 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 condition :** 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.

### Application Note

ELISA 1:5000-10000

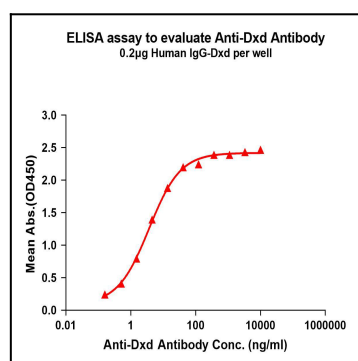


Figure 1. Elisa plates were pre-coated with IgG-Dxd (0.2µg/per well). Serial diluted anti-Dxd monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Dxd monoclonal antibody binding with IgG-Dxd is 3.690ng/ml.