

# Anti-Dxd Mouse IgG2a Antibody (17D6A4)

## Product Information

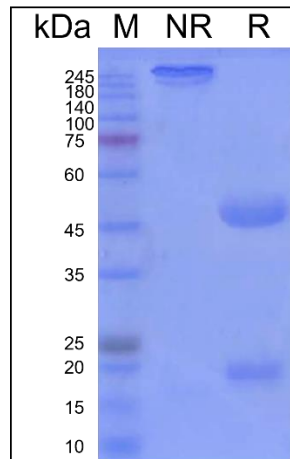
<b>Product Name</b>	Anti-Dxd Mouse IgG2a Antibody
<b>Storage temp.</b>	Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
<b>Catalog# / Size</b>	<b>GM-60248AB-100 / 100 <math>\mu\text{g}</math></b> <b>GM-60248AB-1000 / 1 mg</b>

## Antibody Information

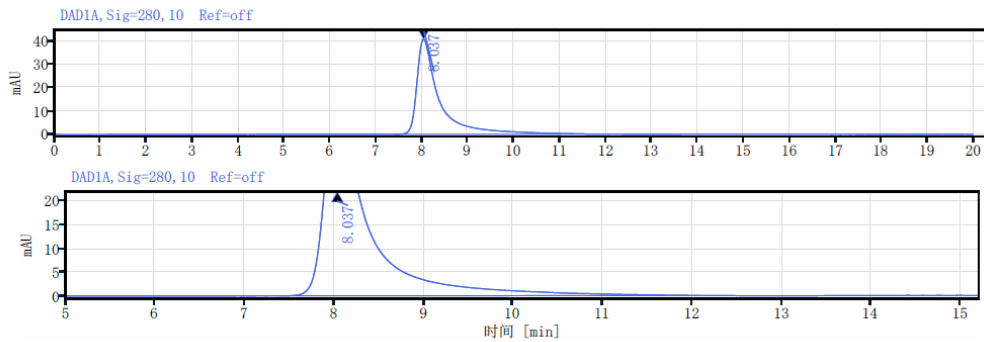
<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	<1 EU/mg by LAL
<b>Sterility</b>	0.2 $\mu\text{m}$ Filtered
<b>Target</b>	DXD (Exatecan derivative for ADC)
<b>Clone</b>	17D6A4
<b>Alternative Names</b>	/
<b>Source/Isotype</b>	Monoclonal Mouse IgG2a, $\kappa$
<b>Application</b>	ELISA, PK
<b>Description</b>	Dxd (Exatecan derivative for ADC) is a potent inhibitor of DNA topoisomerase I (IC <sub>50</sub> : 0.31 $\mu\text{M}$ ), used as a conjugated drug of HER2-targeting ADC (DS-8201a). DXd is a part structure of DS-1062a which is a trophoblast cell surface protein 2 (TROP2)-targeting antibody-drug conjugate (ADC) comprised of a humanized anti-TROP2 monoclonal antibody, enzymatically cleavable peptide-linker, and DXd. DXd is an important part structure of DS-7300a, a novel B7-H3-targeting ADC, using DXd-ADC technology, which is composed of a humanized anti-B7-H3 mAb, an enzymatically cleavable tetra-peptide-based linker, and a potent TOP1 inhibitor, DXd.
<b>Formulation</b>	Dulbecco's phosphate-buffered solution, pH 7.4.

## Data Examples

### SDS-PAGE



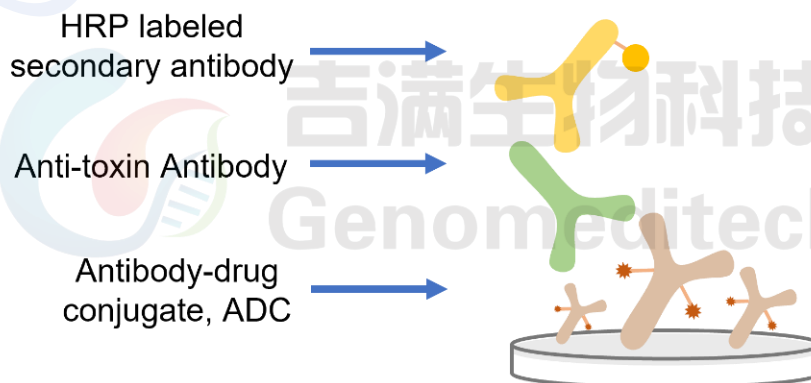
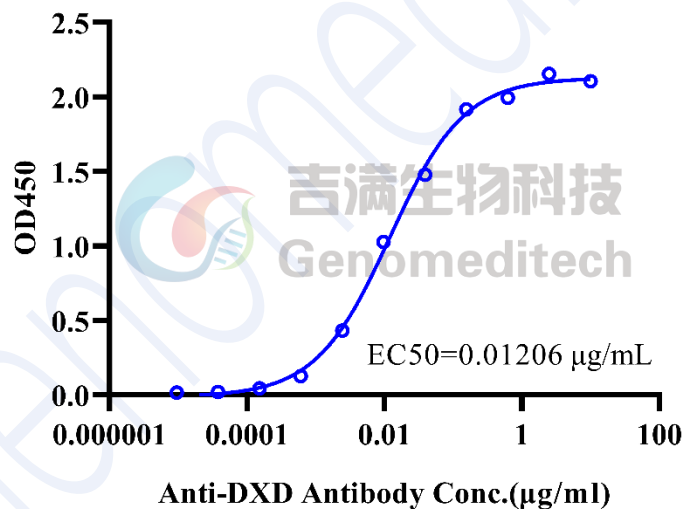
### SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC

- Indirect ELISA**
- Coating 100  $\mu\text{L}$ /well Monoclonal Human IgG1 Isotype-DXD (Dar8) (Catalog # GM-77423AB), ADC (1  $\mu\text{g}/\text{mL}$ ; PBS dilution) on microplate, store at 4°C overnight.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4). Add 5% Skim Milk (in PBS) to block at room temperature for 1 h.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4). Add 10  $\mu\text{g}/\text{mL}$  Anti-DXD Mouse IgG2a Antibody (Catalog # GM-60248AB) in gradient dilution with 5% Skim Milk, and incubate at room temperature for 2 h.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4). Add HRP-conjugated anti-Mouse igG-Fc mAb (1:10000) and incubate at room temperature for 2 h.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4), add chromogenic solution. After 10 minutes, Appropriate amount of stop solution was added to terminate the reaction.
  - Microplate reader to detect the OD450 and analysis the data.
  - The EC50 value of Anti-DXD Mouse IgG2a Antibody to Monoclonal Human IgG1 Isotype-DXD (Dar8) was 0.01206  $\mu\text{g}/\text{mL}$ .

**Monoclonal Anti-DXD Antibody, ELISA**  
**0.1  $\mu\text{g}$  of Human IgG1 Isotype-DXD (Dar8) per well**



Version:3.1.2 Revision Date:14/09/2023