

Anti-DXD Mouse IgG1 Antibody (4A5A12)

Product Information

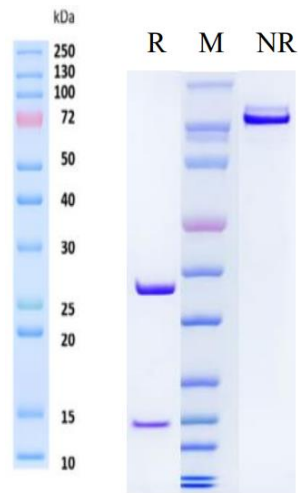
Product Name	Anti-DXD Mouse IgG1 Antibody
Storage temp.	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Catalog# / Size	GM-78220AB-100 / 100 µg GM-78220AB-1000 / 1 mg

Antibody Information

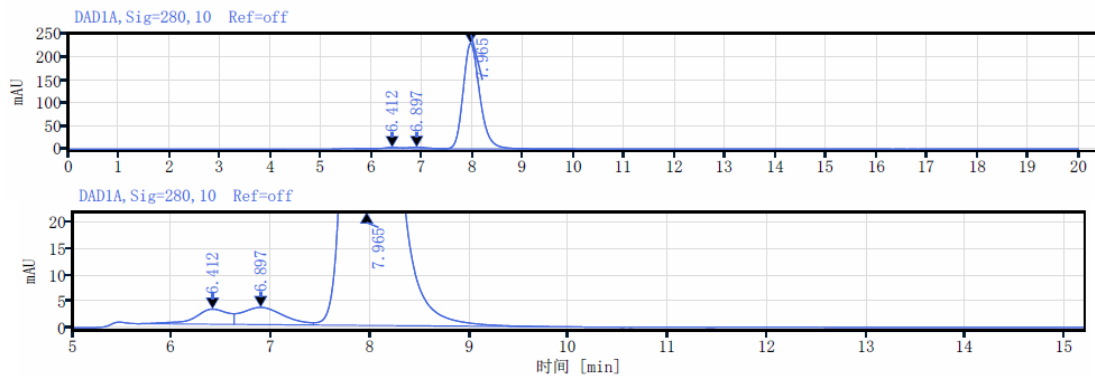
Expression System	CHO
Aggregation	< 5% as determined by SEC-HPLC
Purity	> 95% as determined by SDS-PAGE
Endotoxin	<1EU/mg by LAL
Sterility	0.2 µm Filtered
Target	DXD (Exatecan derivative for ADC)
Clone	4A5A12
Alternative Names	/
Source/Isotype	Monoclonal Mouse IgG1, κ
Application	ELISA, PK
Description	Dxd (Exatecan derivative for ADC) is a potent inhibitor of DNA topoisomerase I (IC50: 0.31 µM), 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.
Formulation	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 μL /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 IgG1 Antibody (Catalog # GM-78220AB) 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 IgG1 Antibody to Monoclonal Human IgG1 Isotype-DXD (Dar8) was 0.02247 $\mu\text{g}/\text{mL}$.

Monoclonal Anti-DXD Antibody, ELISA
0.1 μg of Human IgG1 Isotype-DXD (Dar8) per well

