

# Anti-Trop2-DXD ADC(Dar4)[Datopotamab deruxtecan,Dato-DXD]

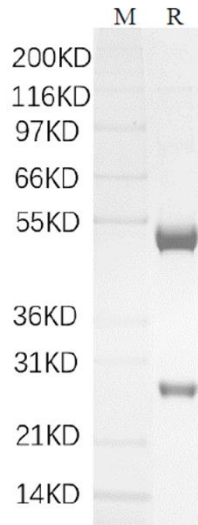
## Product Information

<b>Product Name</b>	Anti-Trop2-DXD ADC(Dar4)[Datopotamab deruxtecan,Dato-DXD]
<b>Storage temp.</b>	Store at +4°C short term. Store at -80°C for 36 months, avoiding freeze/thaw cycles.
<b>Catalog# / Size</b>	<b>GM-81149AB-100 / 100 µg</b> <b>GM-81149AB-1mg / 1 mg</b>

## Antibody Information

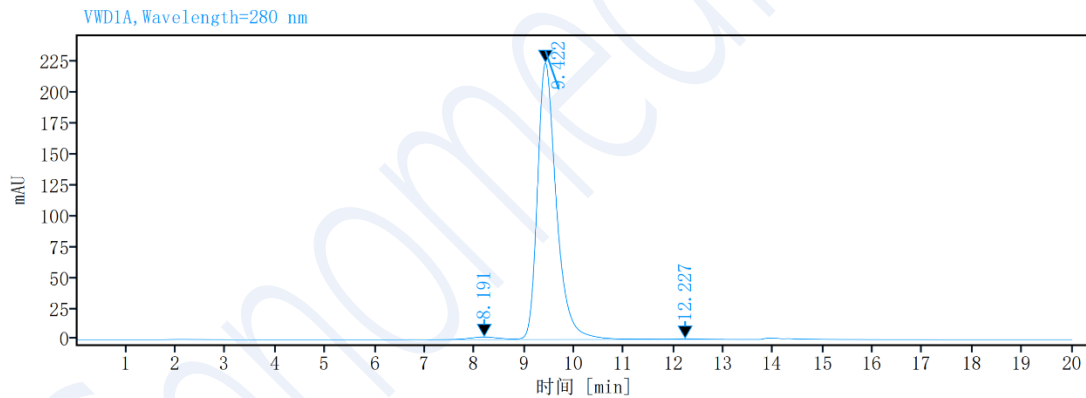
<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Drug-to-Antibody Ratio (DAR)</b>	4.0
<b>Endotoxin</b>	<1 EU/mg, determined by LAL gel clotting assay
<b>Sterility</b>	0.22 µm Filtered
<b>Target</b>	Trop2
<b>Clone</b>	Datopotamab deruxtecan,Dato-DXD
<b>Alternative Names</b>	DS-1062' DS1062; DS-1062A; Anti-TRP2/dxd
<b>Source/Isotype</b>	Monoclonal Human IgG1 (REEM),Kappa
<b>Application</b>	Positive control of Cytotoxicity Assay
<b>Description</b>	Datopotamab deruxtecan or DS-1062 is designed using Daiichi Sankyo's proprietary DXd ADC technology.
<b>Formulation</b>	20 mM Histidine, pH 6.0

## SDS PAGE



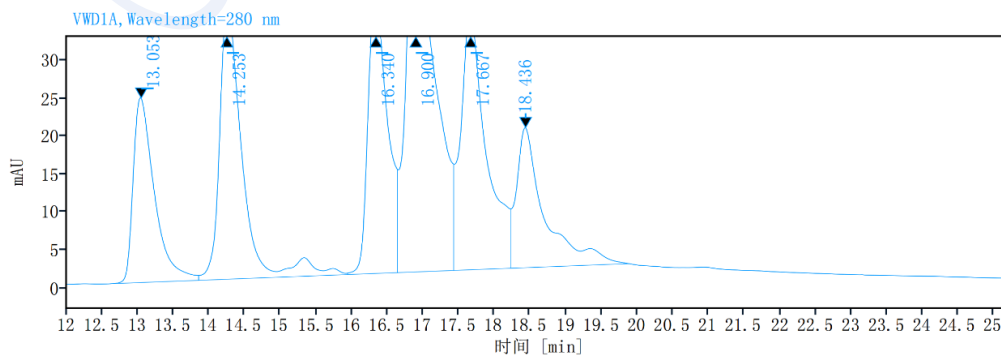
After SDS-PAGE under reducing conditions, the gel was stained with Coomassie Blue overnight. The purity of the protein is greater than 95%.

## SEC-HPLC



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

## HIC-HPLC



The drug-to-antibody ratio (DAR) of this product is 3.91.

## Data Examples

- Cytotoxicity Assay**
- Plating H\_TROP2 HEK-293 Cell Line (Genomeditech/GM-C27594),  $7.5 \times 10^4$  cells/mL suspension, and add 100  $\mu$ L/well, on the first day.
  - Remove the supernatant of the above-mentioned plated cells.
  - For Anti-Trop2-DXD ADC(Dar4)[Datopotamab deruxtecan,Dato-DXD]: Add 100  $\mu$ L drugs (50  $\mu$ g/mL) in gradient dilution each well, and incubate at 37 °C for 72 h.
  - Measured the luciferase activities by using GMTiter™ Luminescent Cell Viability Assay (Genomeditech Cat. # GM-040504C) according to recommended protocol.

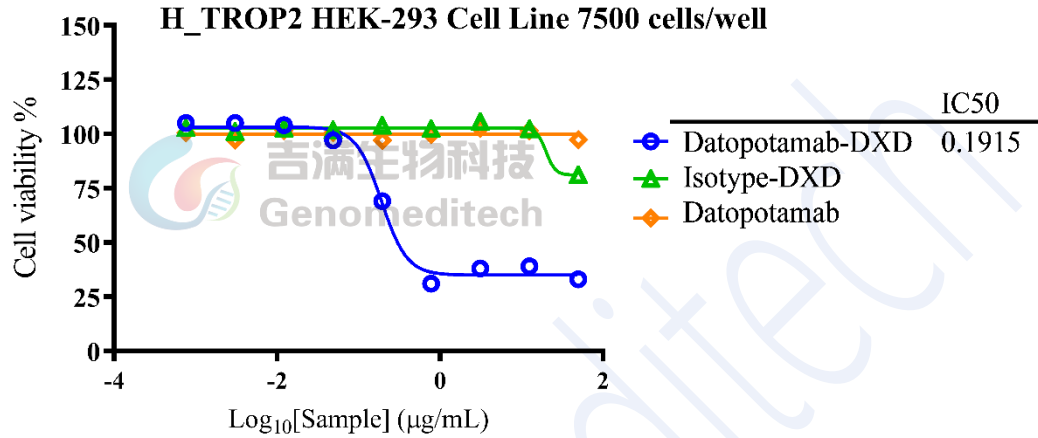


Fig. assay