



# CERTIFICATE OF ANALYSIS

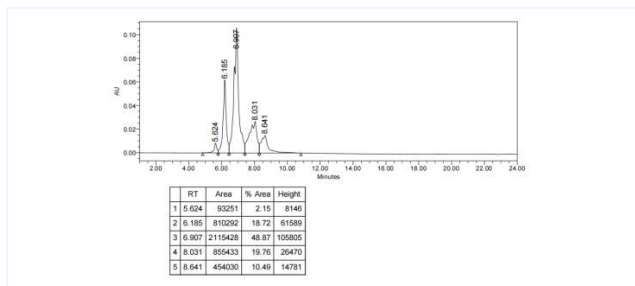


## Product Details

Product name:	Anti-TROP2 Reference Antibody (datopotamab deruxtecan)	Lot.No.:	P100820D4
Target:	TROP2	Catalog:	CHB270
Target Accession:	P09758	Concentration :	6.31 mg/mL
Clonality:	Monoclonal-ADC	Isotype:	IgG1
Reactivity:	Human	Molecular Weight (kDa) :	149.3 kDa
Application:	Kinetics (SPR), ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<1 EU/mg
Formulation:	Liquid: 100mM Pro-Ac, 20mM Arg pH 5.0   Lyophilization: 25mM histidine, 8% sucrose, 0.01% Tween80 pH6.2	Conjugation:	Dxd
Reconstitution:	For Powder, reconstitute with sterile, distilled water to a final concentration of 1 mg/ml. Gently shake to solubilize completely. Do not vortex.	Expression System:	CHO
Storage:	Upon receipt, store immediately at -20°C or lower for 24 months. Store aliquots at -80°C for up to 3 months. Avoid repeated freeze-thaw cycles.	Purification:	Protein A

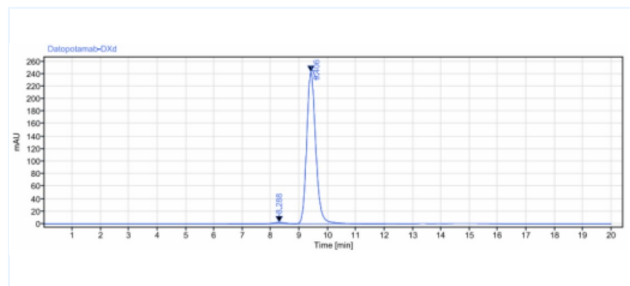
# Data

## HIC-HPLC



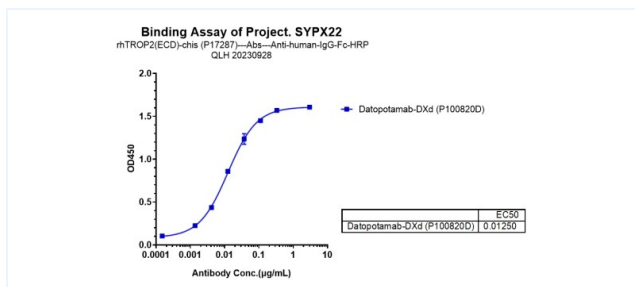
The drug-to-antibody ratio (DAR) of the Anti-TROP2 Reference Antibody (Datopotamab-DXd) is 4.4.

## Purity: SEC-HPLC



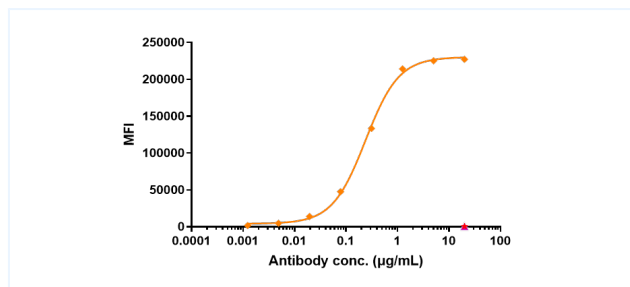
The purity of protein, determined by HPLC, is greater than 95%.

## ELISA



Immobilized rhTROP2(ECD)-chis at 2 µg/mL (30 µL/well) can bind Datopotamab-DXd (P100820D4.4) with the EC50 of 0.01250 µg/mL.

## Bioactivity: FACS



Human TROP2 HEK293 Cell Line were stained Anti-TROP2 Reference Antibody (datopotamab deruxtecan) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.24 µg/mL.

The products are for research use only. Not for use in diagnostic procedures.