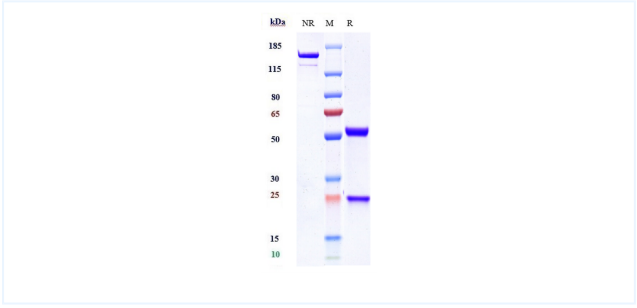
CERTIFICATE OF ANALYSIS

Product Details

Product name:	Anti-ERBB2 / HER2 / CD340 Reference Antibody (trastuzumab deruxtecan)	**Lot.No.:**	P72081D8
Target Name:	ERBB2 / HER2 / CD340	**Catalog:**	CHB247
Target Accession:	P04626	**Concentration:**	3.53 mg/mL
Clonality:	Monoclonal	**Isotype:**	IgG1
Reactivity:	Human [WO2015115091]	**Calculated MW:**	153.75 kDa
Application:	ELISA, FACS, Functional assay, Animal Model	**Endotoxin:**	<0.001 EU/ug
Contains:	No preservative	**Conjugation:**	Dxd
Formulation:	1 x PBS, pH 6.0	**Expression System:**	CHO
Storage:	-80°C for 2 years under sterile conditions -20°C for 1 year under sterile conditionsAvoid repeated freeze-thaw cycles.	**Purification:**	Protein A

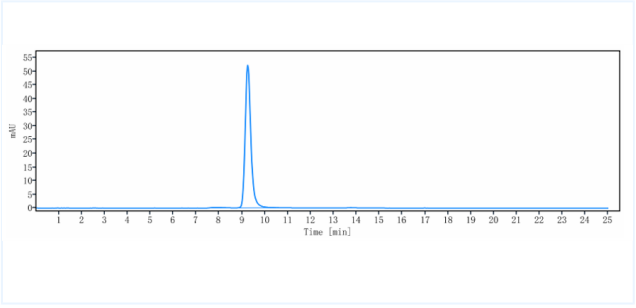
Data

Purity:SDS-PAGE



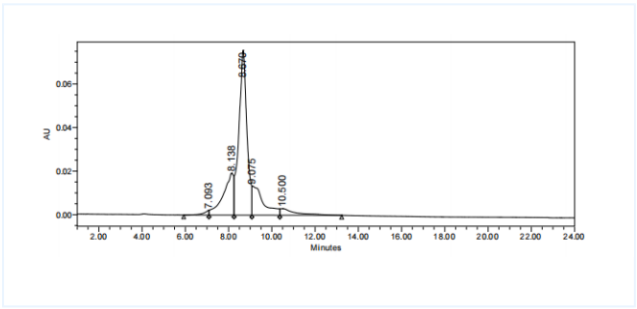
Anti-ERBB2 / HER2 / CD340 Reference Antibody (trastuzumab deruxtecan) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.

Purity:SEC-HPLC



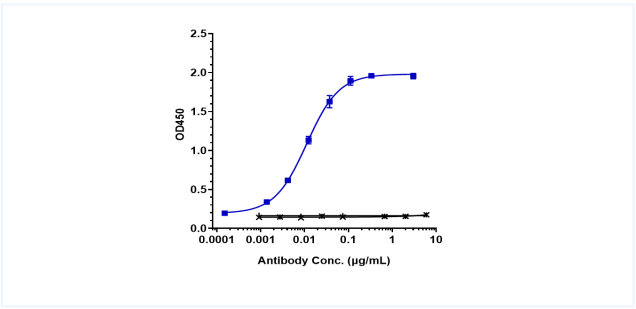
The purity of Anti-ERBB2 / HER2 / CD340 Reference Antibody (trastuzumab deruxtecan) is 93.54%, determined by SEC-HPLC.

HIC-HPLC



The drug-to-antibody ratio (DAR) of the trastuzumab deruxtecan is 8.0.

Bioactivity:ELISA



Immobilized human HER2(23 652) His at 2 ug/mL can bind Trastuzumab deruxtecan, EC50=0.01115 ug/mL.

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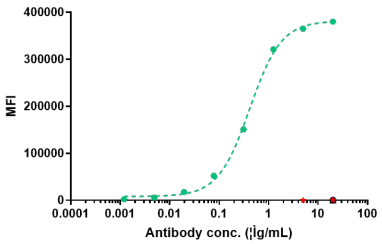
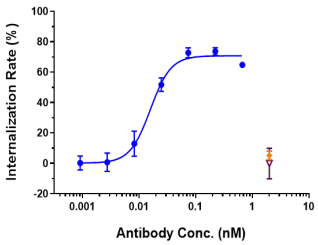
ISO 9001

FACS



SKBR3 cells were stained with Anti-ERBB2 / HER2 / CD340 Reference Antibody (trastuzumab deruxtecan) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC64=0.4164 ug/ml.

Function:Internalization



The endocytosis ratio trastuzumab deruxtecan by SKBR3 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 76% .

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