



CERTIFICATE OF ANALYSIS

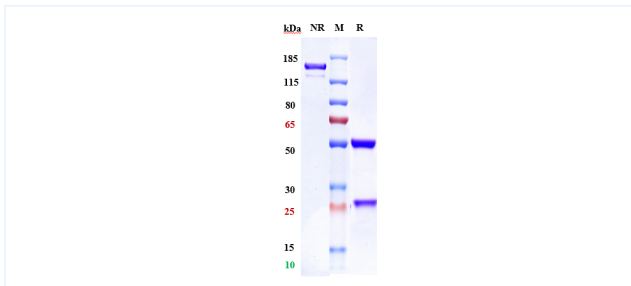


Product Details

Product name:	Anti-ROR1 Reference Antibody (Zilovertamab vedotin)	Lot.No.:	P108241D4.1
Target:	ROR1	Catalog:	CHB266
Target Accession:	Q01973	Concentration :	5.27 mg/mL
Clonality:	Monoclonal-ADC	Isotype:	IgG1
Reactivity:	Human	Molecular Weight (kDa) :	145.12 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:	MMAE
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

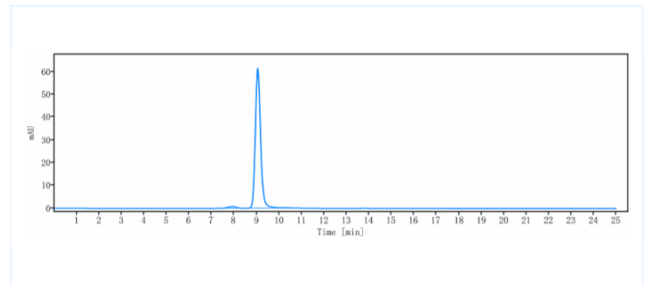
Data

Purity: SDS-PAGE



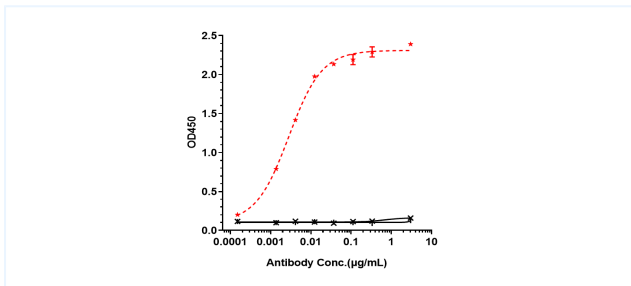
Anti-ROR1 Reference Antibody (zilovetamab vedotin) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



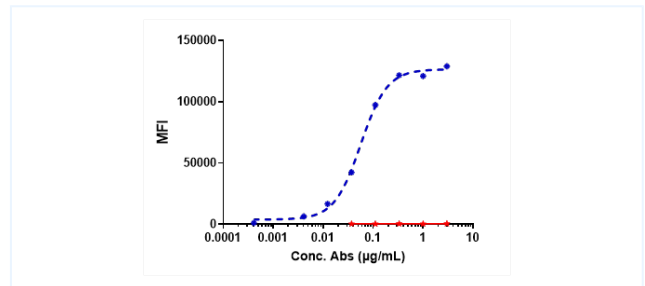
The purity of Anti-ROR1 Reference Antibody (Zilovetamab vedotin) is 98.21%, determined by SEC-HPLC.

Bioactivity: ELISA



Immobilized human ROR1 His at 2 µg/mL can bind Anti-ROR1 Reference Antibody (Zilovetamab vedotin), The EC50 is 0.002833 µg/mL.

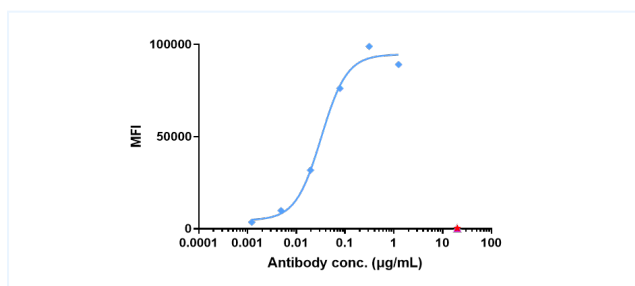
Bioactivity: FACS



Human ROR1 HEK293T cells were stained with Anti-ROR1 Reference Antibody (Zilovetamab vedotin) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.05656 µg/ml.

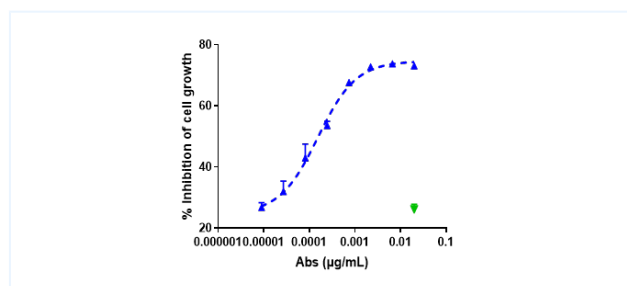
The products are for research use only. Not for use in diagnostic procedures.

Bioactivity: FACS



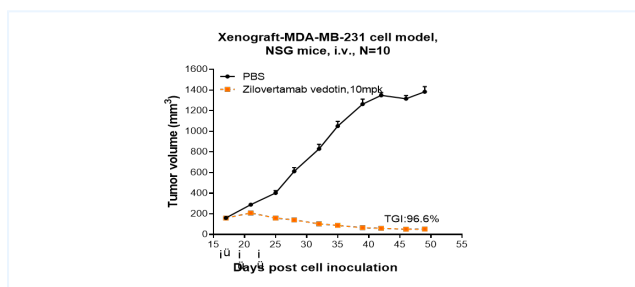
Human ROR1 CHO-K Cell Line were stained Anti-ROR1 Reference Antibody (zilovetamab vedotin) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.03245 µg/mL.

Function: Internalization



The endocytosis ratio Zilovetamab by Human ROR1-HEK293T cells increased with the increase of antibody concentration, and the Internalization Rate (%) reached 80% .

Research in vivo



Anti-ROR1 Reference Antibody (Zilovetamab vedotin) inhibited the tumor growth of MDA-MB-231on NSG mice. The result showed significant anti-tumor effects, with an tumor inhibition rate (TGI) of 96.6% at 10 mpk.

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