



CERTIFICATE OF ANALYSIS

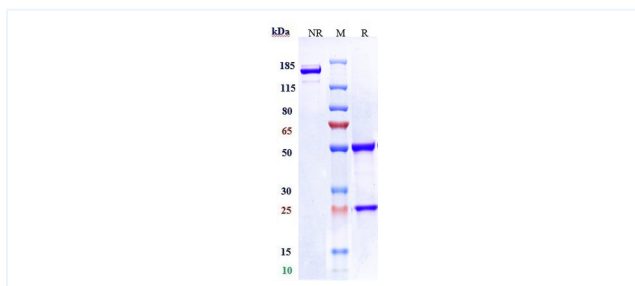


Product Details

Product name:	Anti-LIV-1 / SLC39A6 Reference Antibody (Ladiratuzumab vedotin)	Lot.No.:	P100021D4
Target:	LIV-1 / SLC39A6	Catalog:	CHB250
Target Accession:	Q13433	Concentration :	1 mg/mL
Clonality:	Monoclonal-ADC	Isotype:	IgG1
Reactivity:	Human	Molecular Weight (kDa) :	146.96 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

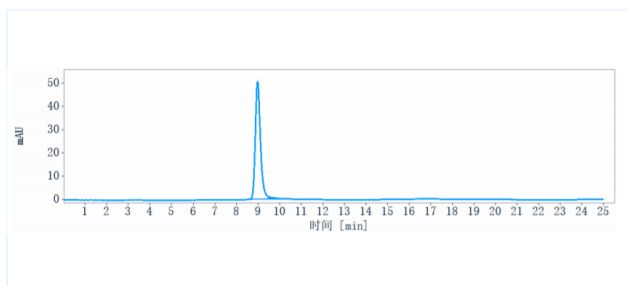
Data

Purity: SDS-PAGE



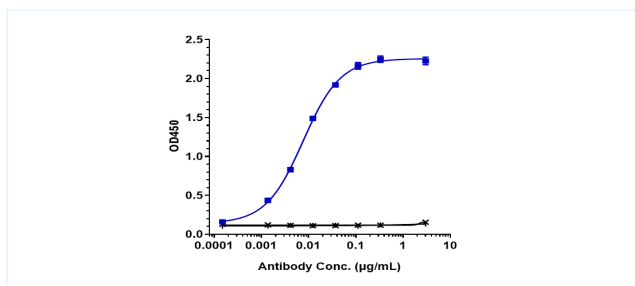
Anti-LIV-1 / SLC39A6 Reference Antibody (Ladiratuzumab vedotin) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



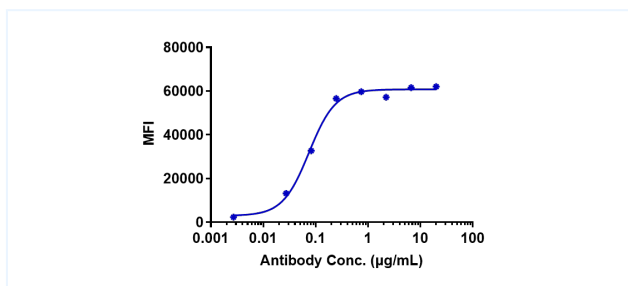
The purity of Anti-LIV-1 / SLC39A6 Reference Antibody (Ladiratuzumab vedotin) is 98.2%, determined by SEC-HPLC.

Bioactivity: ELISA



Immobilized human LIV 1, His Tag at 2 µg/mL can bind Anti-LIV-1 / SLC39A6 Reference Antibody (Ladiratuzumab vedotin), EC50 is 0.007652 µg/mL.

Bioactivity: FACS



Human LIV1 CHOS cells were stained with Anti-LIV-1 / SLC39A6 Reference Antibody (Ladiratuzumab vedotin) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50 is 0.07456 µg/mL.

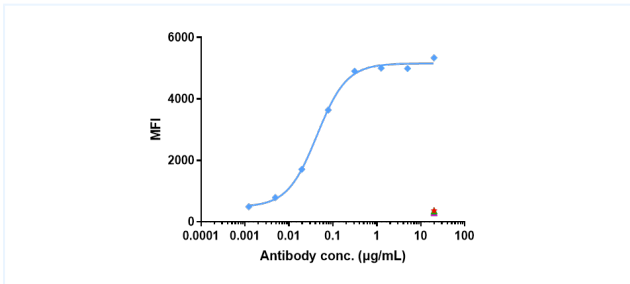
The products are for research use only. Not for use in diagnostic procedures.



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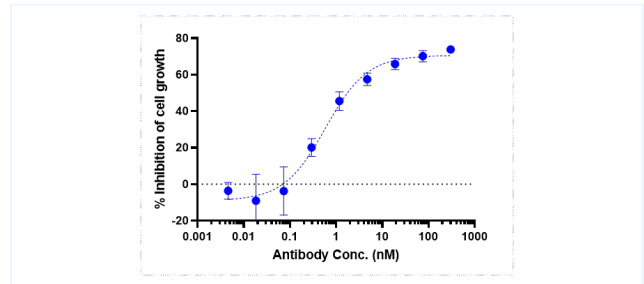


Bioactivity: FACS



Cynomolgus / Rhesus Macaque LIV-1 HEK293 Cell Line were stained with Anti-LIV-1 / SLC39A6 Reference Antibody (Ladiratuzumab vedotin) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.04 ug/mL.

Function: Cytotoxicity



The killing ratio Ladiratuzumab vedotin by Human LIV-1 HEK293 Cell Line increased with the increase of antibody concentration, and the killing Rate (%) reached 74%

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