



CERTIFICATE OF ANALYSIS

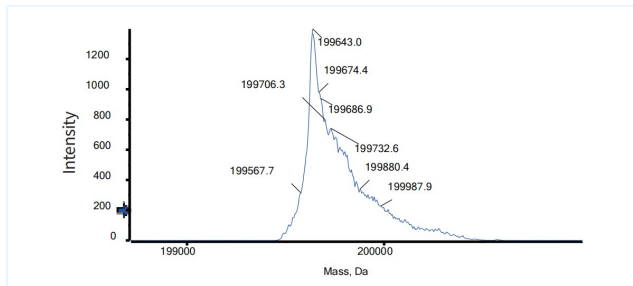


Product Details

Product name:	Anti-HER3 & IGF-1R Reference Antibody (Istiratumab)	Lot.No.:	P262516
Target:	ERBB3 / HER3, IGF1-R / IGFR1 / CD221	Catalog:	CHBA013
Target Accession:	P21860 & P08069	Concentration :	1 mg/mL
Clonality:	Bispecific	Isotype:	IgG-scFv
Reactivity:	Human	Molecular Weight (kDa) :	199.64 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:	Unconjugated
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

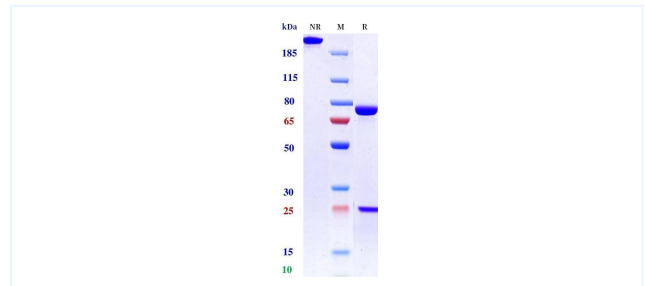
Data

MASS



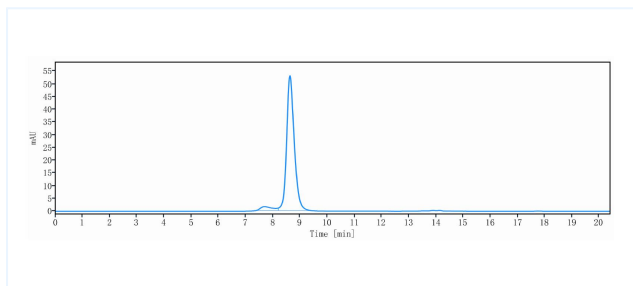
The detected molecular weight of Anti-HER3 & IGF-1R Reference Antibody (Istiratunab) is 199.64 kDa.

Purity: SDS-PAGE



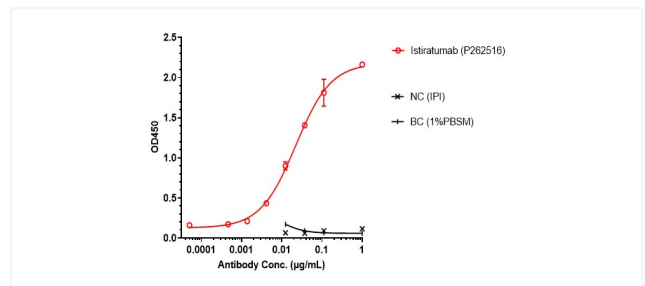
Anti-HER3 & IGF-1R Reference Antibody (Istiratunab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



The purity of Anti-HER3 & IGF-1R Reference Antibody (Istiratunab) is 95.55 %, determined by SEC-HPLC.

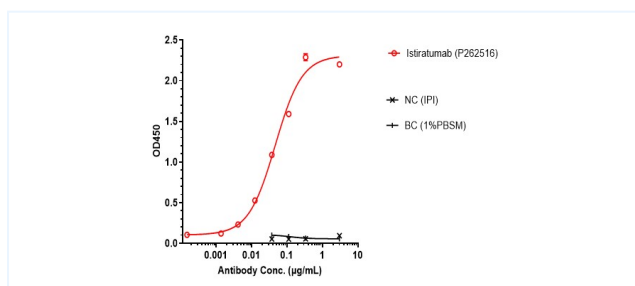
ELISA



Istiratunab bound to 4-1BB protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, Istiratunab bound to Human IGF-1R-His, and the EC50 was 0.022 nM.

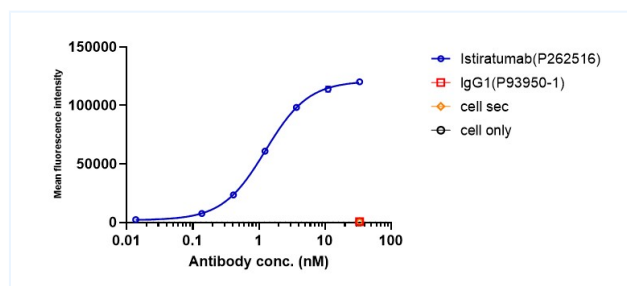
The products are for research use only. Not for use in diagnostic procedures.

ELISA



Istiratumab bound to HER3 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP) , and read OD450. As shown in fig, Istiratumab bound to Human HER3-His, and the EC50 was 0.046 nM.

Bioactivity: FACS



Istiratumab bound to 0920-13 Hu-HER3-FL-HEK293-A4 cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fcy PE) , and test by flow cytometry. As shown in fig, Istiratumab bound to 0920-13 Hu-HER3-FL-HEK293-A4 cells, and the EC50 was 1.257 nM.

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