



CERTIFICATE OF ANALYSIS

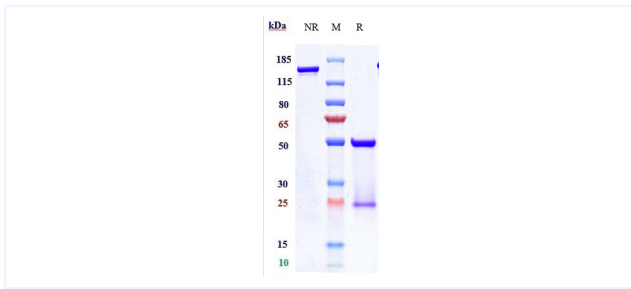


Product Details

Product name:	Anti-ERBB2 / HER2 / CD340 Reference Antibody (pertuzumab)	Lot.No.:	P72070J2
Target:	ERBB2 / HER2 / CD340	Catalog:	CHA054
Target Accession:	P04626	Concentration :	1 mg/mL
Clonality:	Monoclonal	Isotype:	Human IgG1
Reactivity:	Human	Molecular Weight (kDa) :	150 kDa
Application:	FCM, Neutralization, In Vivo, ELISA, Function: ADCC	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

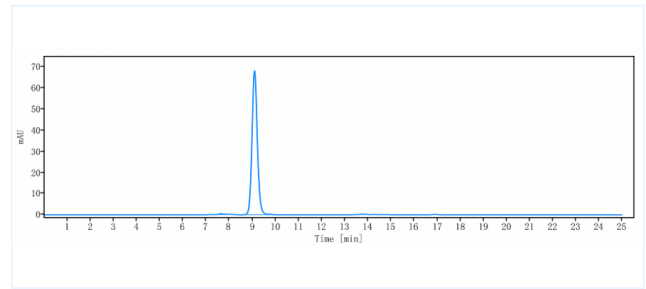
Data

Purity: SDS-PAGE



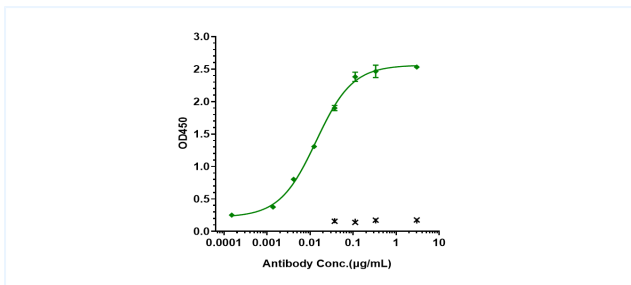
Anti- Human HER2 (Pertuzumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



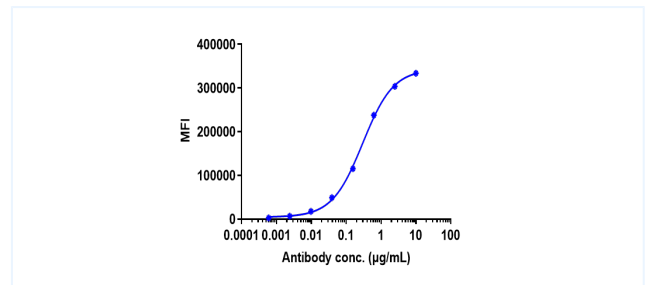
The purity of anti- Human HER2 (Pertuzumab) is 99.02%, determined by SEC-HPLC.

Bioactivity: ELISA



Immobilized human HER2 (His Tag, 2µg/mL) can bind to anti- Human HER2 (Pertuzumab) with an EC50 of 0.01375 ug/mL.

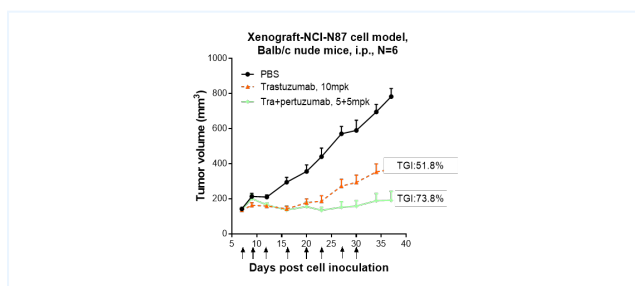
Bioactivity: FACS



BT474 cells were stained with anti- Human HER2 (Pertuzumab) , with isotype and secondary-only controls. Flow analysis showed specific binding of the antibody, with an EC50 of 0.2994 ug/mL

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

Research in vivo



The combination of two anti-human HER2 monoclonal antibodies, pertuzumab and trastuzumab, was evaluated for in vivo anti-tumor activity against NCI-N87 xenografts in Balb/c nude mice. Results demonstrated significant tumor growth inhibition: at a dose of 5 mg/kg, the tumor growth inhibition (TGI) rate reached 73.8% on day 37.

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