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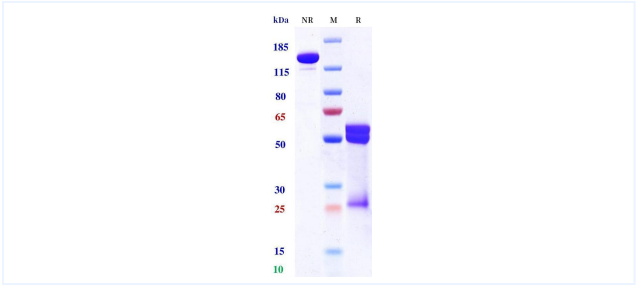
Product Details

Product name:	**Anti-HER2/neu (Zanidatamab Biosimilar)**	**SKU:**	**BIO0999SM**
Target Name:	**HER2 & neu**	**Size:**	**100ug/ 1mg/ 5mg**
Target Uniprot:	**P04626**	**Concentration:**	**Lyophilized**
Clone#:	**Zanidatamab (Bispecific)**	**Isotype:**	**Half IgG+ScFv**
Reactivity:	**Human**	**Calculated M.W.:**	**124.81 kDa**
Application:	**ELISA, Bioactivity: FACS, Functional assay, Research in vivo**	**Endotoxin:**	**<0.001 EU/ug**
Formulation:	**100 mM Pro-Ac 20mM Arg pH 5.0**	**Conjugation:**	**None**
Storage:	**-20°C for 2 years under sterile conditions； -20°C for 1 year under sterile conditions；Avoid repeated freeze-thaw cycles.**	**Expression System:**	**CHO**
Reconstitution:	**Dissolve with sterile ddH₂O**	**Purification:**	**Protein A**

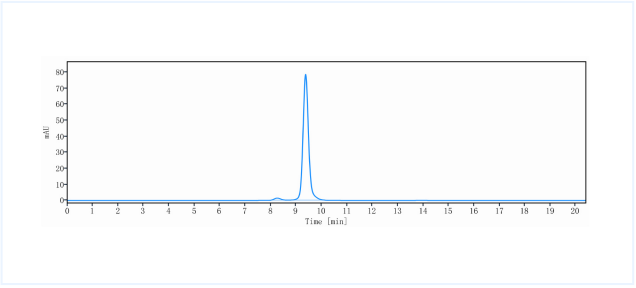
Data

Purity: SDS-PAGE



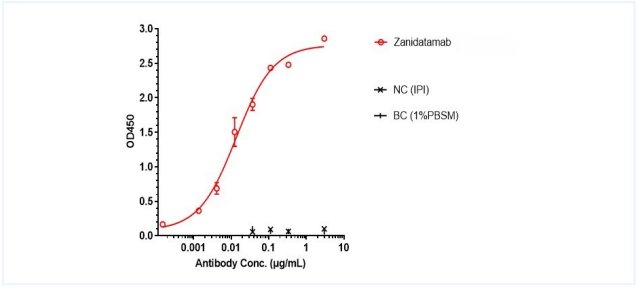
Anti-HER2/neu Reference Antibody (Zanidatamab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity: SEC-HPLC



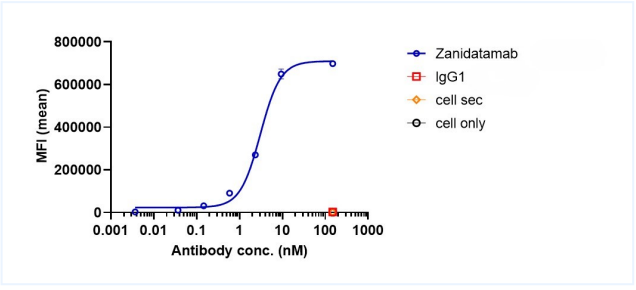
The purity of Anti-HER2/neu Reference Antibody (Zanidatamab) is 98.25% , determined by SEC-HPLC.

ELISA



Zanidatamab bound to HER2 protein, and then rebounded to secondary antibodies(Anti-human-IgG-Fc-HRP) , and read OD450. As shown in fig,Zanidatamab bound to hu-HER2-his, and the EC50 was 0. 012 nM.

Bioactivity: FACS



Zanidatamab bound to BT474 cells, and then rebounded to fluorescent secondary antibodies(Anti-human IgG, Fcγ PE) , and test by flow cytometry. As shown in fig, Zanidatamab bound to BT474 cells, and the EC50 was 3.061 nM.

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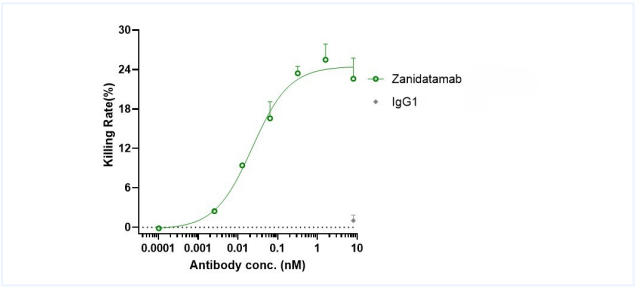
Function: ADCC



Co-incubation of Zanidatamab with BT474 cell and PBMCs for 4 hours, then LDH was detected to evaluate the ADCC activity of Zanidatamab. As shown in fig, Zanidatamab has ADCC activity, and the IC50 was 0.023 nM.