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# **Product Details**

Product name:	Anti-EGFR & HER3 (Duligotuzumab Biosimilar)	SKU:	BIO0965SM
Target Name:	EGFR & HER3	Size:	100ug/ 1mg/ 5mg
Target Uniprot:	P00533 & P21860	Concentration:	Lyophilized
Clone#:	Duligotuzumab (Bispecific)	Isotype:	IgG-like
Reactivity:	Human	Calculated M.W.:	144.78 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:	СНО
Reconstitution:	Dissolve with sterile ddH <sub>2</sub> O	Purification:	Protein A

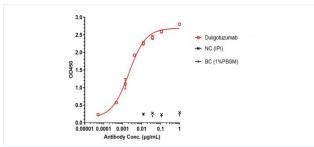
# Data

#### Purity: SDS-PAGE



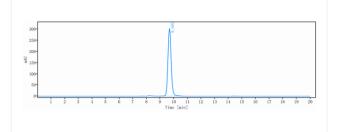
Anti-EGFR & HER3 Reference Antibody (Duligotuzumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

### ELISA



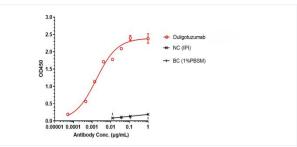
Duligotuzumab bound to EGFR protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, Duligotuzumab bound to Human EGFR-his, and the EC50 was 0.002 nM.

**Purity: SEC-HPLC** 



The purity of Anti-EGFR & HER3 Reference Antibody (Duligotuzumab (USAN)) is 100%, determined by SEC-HPLC.

### ELISA



Duligotuzumab bound to HER3 protein, and then rebounded to secondary antibodies(Anti-Human-IgG-Fc-HRP), and read OD450. As shown in fig, Duligotuzumab bound to Human-HER3-his, and the EC50was 0.002 nM.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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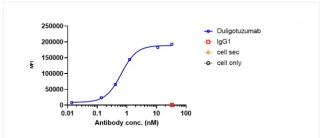
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**Bioactivity: FACS** 

#### 200000 -- Duligotuzumab - IgG1 150000 ♦ cell sec o cell only MFI 100000 50000 0 0.001 0.01 0.1 10 100 1 Antibody conc. (nM)

Duligotuzumab bound to EGFR-CHO-K cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgG, Fc $\gamma$ PE), and test by flow cytometry. As shown in fig, Duligotuzumab bound to EGFR-CHO-K cells, and the EC50 was 0.937 nM.

# **Bioactivity: FACS**



Duligotuzumab bound to 0920-13 Hu-HER3-FL-HEK293-A4 cells, and then rebounded to fluorescent secondary antibodies(Anti-Human IgGFcy PE), and test by flow cytometry. As shown in fig, Duligotuzumab bound to 0920-13 Hu-HER3-FL-HEK293-A4 cells, and the EC50 was 0.645 nM.