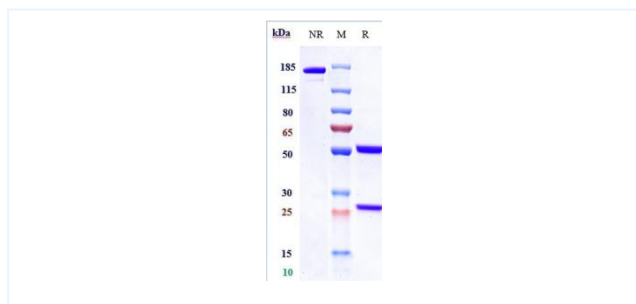


Product Details

Product name:	Anti-human GPC3 / Glypican-3 (codrituzumab Biosimilar)	SKU:	BIO0035SM
Target Name:	GPC3 / Glypican-3	Size:	1 mg/5 mg/20 mg
Target Uniprot:	P51654	Concentration:	Lyophilized
Clone#:	codrituzumab	Isotype:	Human IgG1
Reactivity:	Human	Calculated M.W.:	145.5 kDa
Application:	ELISA, Bioactivity: FACS, Functional assay, Research in vivo	Endotoxin:	<0.001 EU/ug
Formulation:	0.1M Pro, 20mM Arg, pH5.0	Conjugation:	None
Storage:	For long term storage, the produce should be stored at -20° C or lower.	Expression System:	CHO
Reconstitution:	Dissolve with sterile ddH2O	Purification:	Protein A

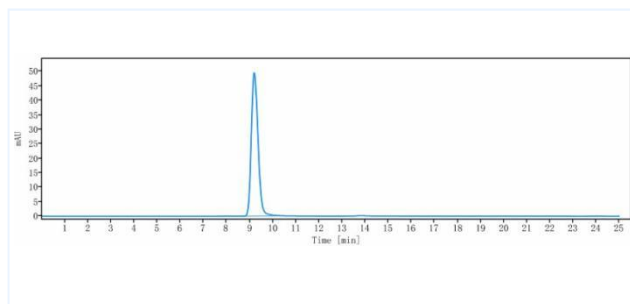
Data

Purity:SDS-PAGE



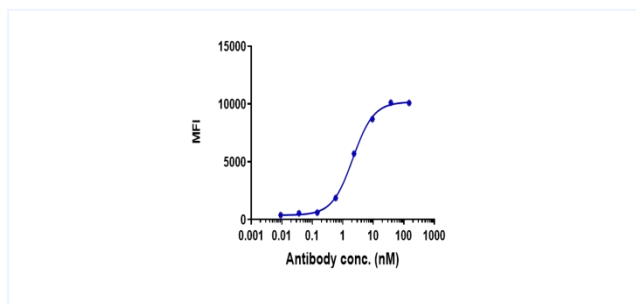
Anti-GPC3 / Glypican-3 (codrituzumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.

Purity:SEC-HPLC



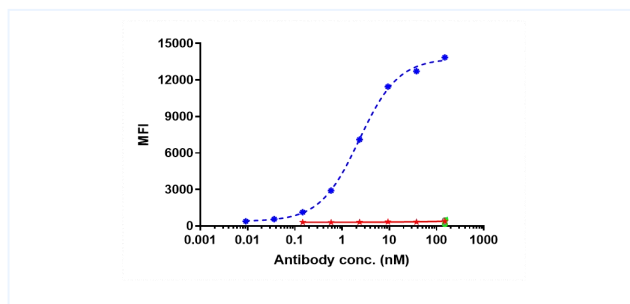
The purity of Anti-GPC3 / Glypican-3 (codrituzumab) is more than 95%, determined by SEC-HPLC.

Bioactivity:FACS



Human GPC3 CHOS cells were stained with Anti-GPC3 / Glypican-3 (codrituzumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=2.142 nM.

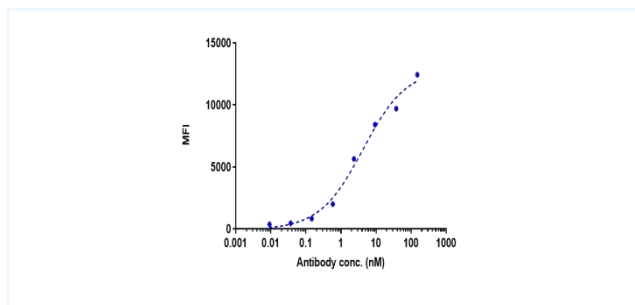
FACS



HEP3B cells were stained with anti-GPC3 / Glypican-3 (codrituzumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS.

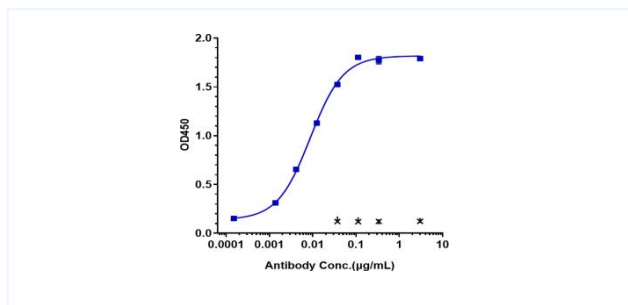
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

FACS



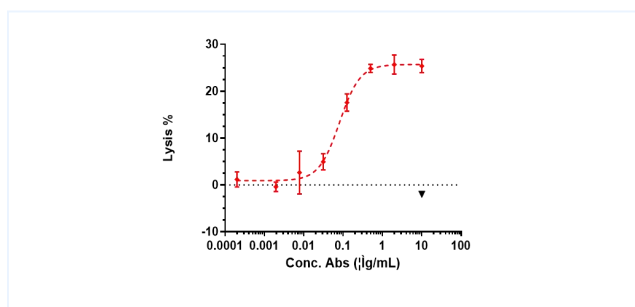
HEPG2 cells were stained with anti-GPC3 / Glypican-3 (codrituzumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS.

Bioactivity:ELISA



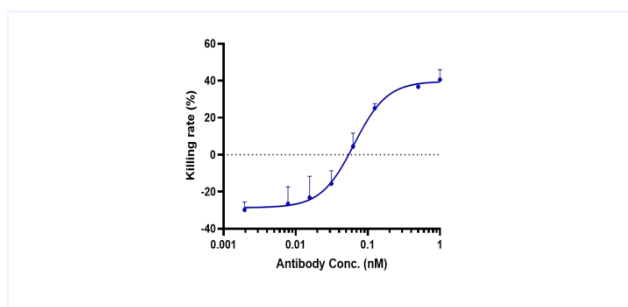
Immobilized human GPC3, His Tag at 2 µg/mL can bind Anti-GPC3 / Glypican-3 (codrituzumab), EC50=0.008741 µg/mL.

Function:ADCC



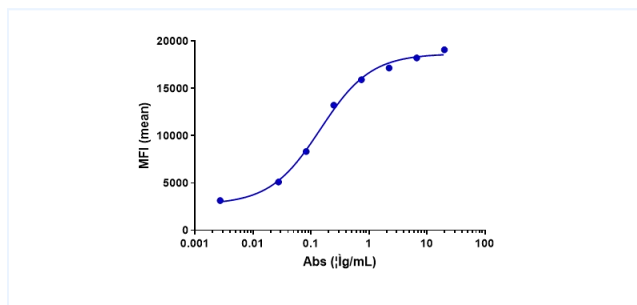
Anti-GPC3 / Glypican-3 (Codrituzumab) induced ADCC activity was evaluated using human GPC3 CHOSCell. The max Lysis rate was approximately 30%.

Function:Internalization



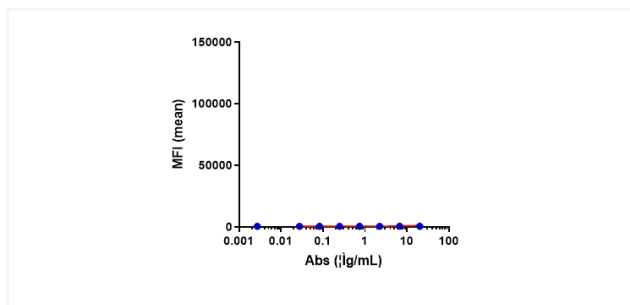
The endocytosis ratio codrituzumab by HuH-7 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 40% at antibody concentration of 1 nM.

FACS



Huh-7 cells were stained with anti-GPC3 / Glypican-3 (codrituzumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS

FACS



SK-HEP-1 is a GPC3-negative cell line