



CERTIFICATE OF ANALYSIS

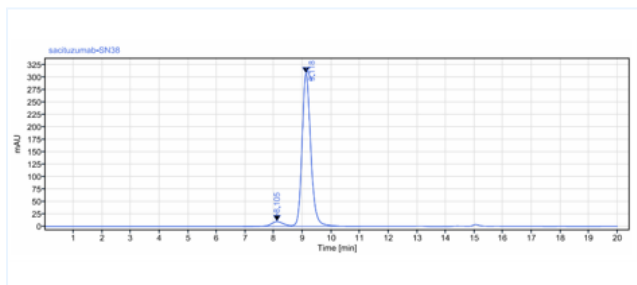


Product Details

| | | | |
|--------------------------|---|---------------------------------|-----------|
| Product name: | Anti-TROP2 Reference Antibody (Sacituzumab govitecan) | Lot. No. : | P95917 |
| Target: | TROP2 | Catalog: | CHB225 |
| Target Accession: | P09758 | Concentration (mg/mL) : | 1 mg/mL |
| Clonality: | Monoclonal | Isotype: | IgG1 |
| Reactivity: | Human | Molecular Weight (kDa) : | 145 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: | SN38 |
| 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 |

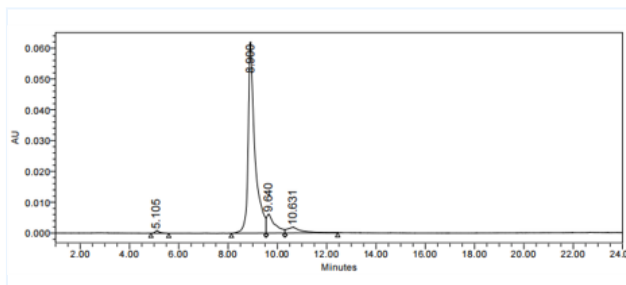
Data

Purity: SEC-HPLC



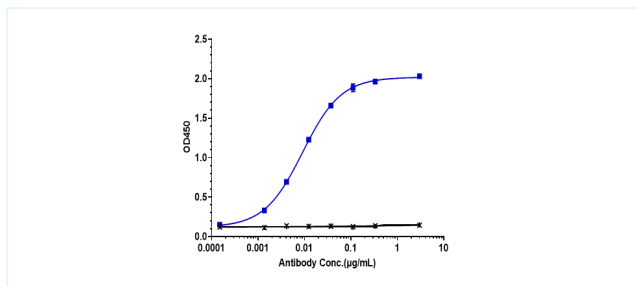
The purity of Anti-TROP2 Reference Antibody (Sacituzumab govitecan) is more than 95%, determined by SEC-HPLC.

HIC



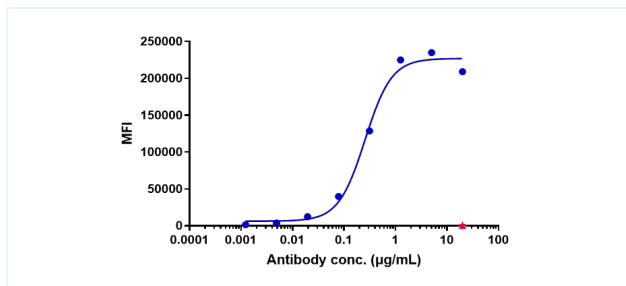
SN38 is conjugated by sulphydryl coupling, the DAR value of Anti TROP2 Reference Antibody (Sacituzumab govitecan) antibody is 8.

ELISA



Immobilized human TROP2 His Tag Protein at 2 ug/mL can bind Anti-TROP2 Reference Antibody (Sacituzumab govitecan), EC50=0.009132 ug/mL.

Bioactivity: FACS



Human TROP2 HEK293 Cell Line were stained Anti-TROP2 Reference Antibody (Sacituzumab govitecan) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.26 ug/mL.

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

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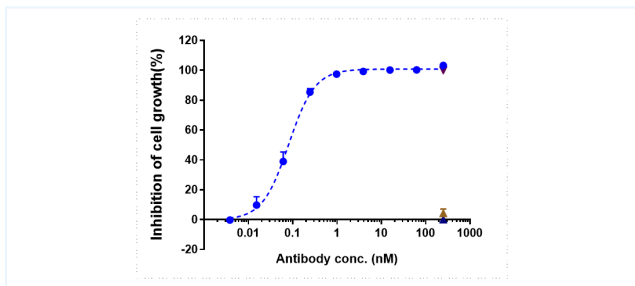
Web: www.crs.sanyoubio.com



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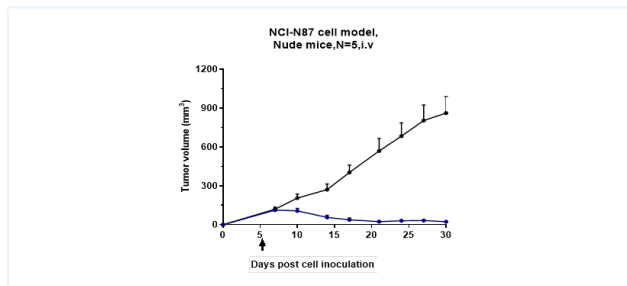


Function: Cytotoxicity



Killing assay test on HCC827 Cells, the maximum kill rate of anti-TROP2 Reference Antibody (Sacituzumab govitecan) is about 100%.

Research in vivo



Sacituzumab govitecan inhibited the tumor growth of NCI-N87 on Nude mice. The result showed significant anti-tumor effects.

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