



Source

Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag is a Mouse monoclonal antibody recombinantly expressed from HEK293 cells.

Species

Mouse

Isotype

Mouse IgG1 & C-Avi | Mouse Kappa

Conjugate

Biotin

Antibody Type

Recombinant Monoclonal

Reactivity

Chemical

Immunogen

SN38-OVA.

Specificity

This product is a specific antibody specifically reacts with SN38.

Application

Application	Recommended Usage
ELISA	0.1-125 ng/mL

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Purification

Protein A purified/ Protein G purified

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

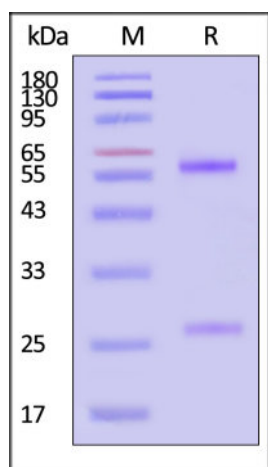
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

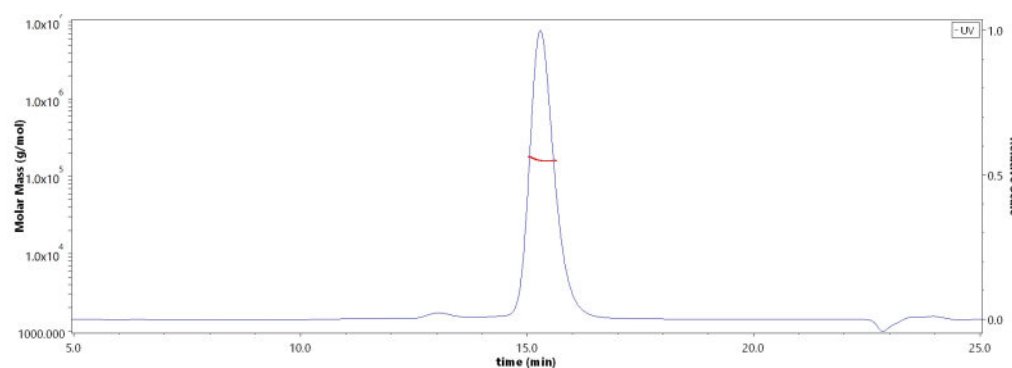
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity

SEC-MALS



The purity of Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag (Cat. No. SN8-BVM808) is more than 90% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS.

Discounts, Gifts,
and more!

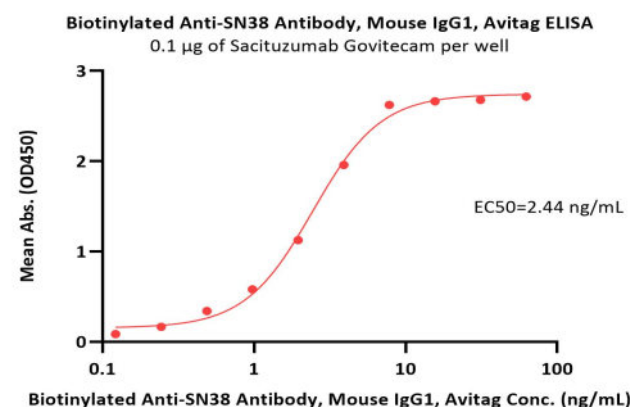
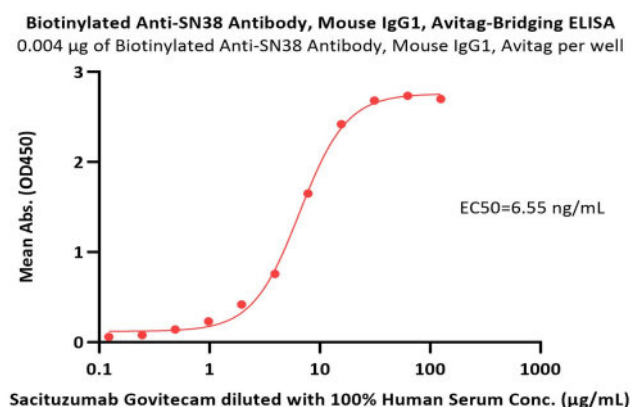




of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

[Report](#)

Bioactivity-ELISA



Immobilized Human TROP-2, His Tag (Cat. No. TR2-H5223) at 1 µg/mL, add Sacituzumab Govitecam in the 100% Human Serum and then add Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag (Cat. No. SN8-BVM808) at 0.04 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).

Immobilized Sacituzumab Govitecam at 1 µg/mL (100 µL/well) can bind Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag (Cat. No. SN8-BVM808) with a linear range of 0.1-8 ng/mL (Routinely tested).

Background

SN-38 is an antineoplastic drug. It is the active metabolite of irinotecan (an analog of camptothecin - a topoisomerase I inhibitor) but has 1000 times more activity than irinotecan itself. In vitro cytotoxicity assays show that the potency of SN-38 relative to irinotecan varies from 2- to 2000-fold. SN38 is formed via hydrolysis of irinotecan by carboxylesterases and metabolized via glucuronidation by UGT1A1. The variant of UGT1A1 in ~10% of Caucasians which leads to poor metabolism of SN-38 predicts irinotecan toxicity, as it is then less easily excreted from the body in its SN-38 glucuronide form. SN-38 and its glucuronide are lost into the bile and intestines. It can cause the symptoms of diarrhoea and myelosuppression experienced by ~25% of the patients administered irinotecan.

Clinical and Translational Updates

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