Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag™

Catalog # SN8-BVM808

Specificity

This product is a specific antibody specifically reacts with SN38.

Source

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

Isotype

Mouse IgG1 & C-Avi | Mouse Kappa

Conjugate

Biotin

Immunogen

SN38-OVA

Application

Application	Recommended Usage
ELISA	0.1-125 ng/mL

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

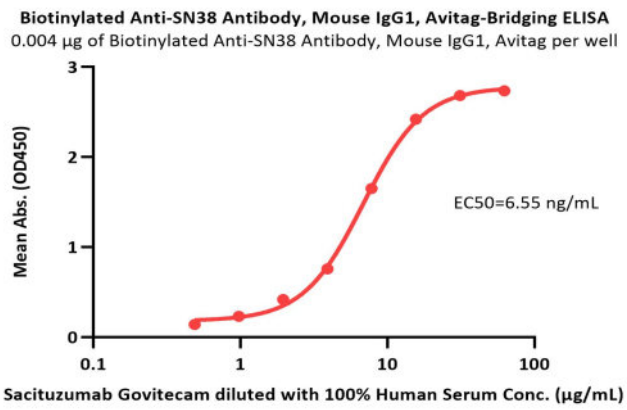
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

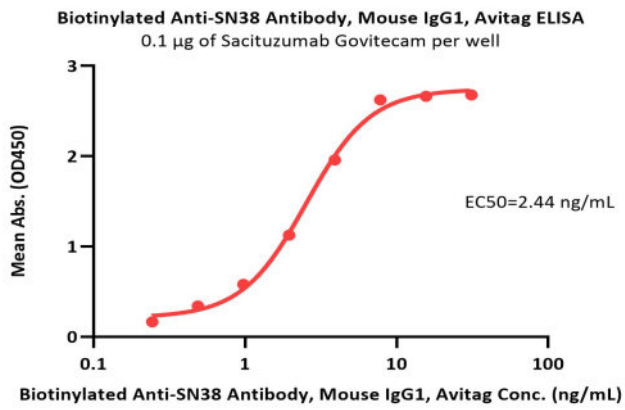
This product is stable after storage at:

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

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

Biotinylated Anti-SN38 Antibody, Mouse IgG1, Avitag™

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The 7-ethyl-10-hydroxycamptothecin (SN-38) is a topoisomerase I inhibitor (chemotherapeutic agent) used in cancer therapy. In a comparative study of SN-38 with a potent chemotherapeutic prodrug, irinotecan (CPT-11), SN-38 was found to be 1000-fold more cytotoxic against colorectal cancer cells as compared to irinotecan.