



**Source**

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

**Species**

Mouse

**Isotype**

Mouse IgG1 | Mouse Kappa

**Conjugate**

Unconjugated

**Antibody Type**

Recombinant Monoclonal

**Reactivity**

Chemical

**Immunogen**

SN38-OVA.

**Specificity**

Specifically recognizes the target-SN38.

**Application**

Application	Recommended Usage
ELISA	0.1-8 ng/mL

**Cross Verification**

This product No cross-reactivity in ELISA with Trastuzumab Deruxtecan. Disitamab Vedotin (RC48). Trastuzumab-DM1.

**Purity**

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

**Purification**

Protein A purified / Protein G purified

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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.

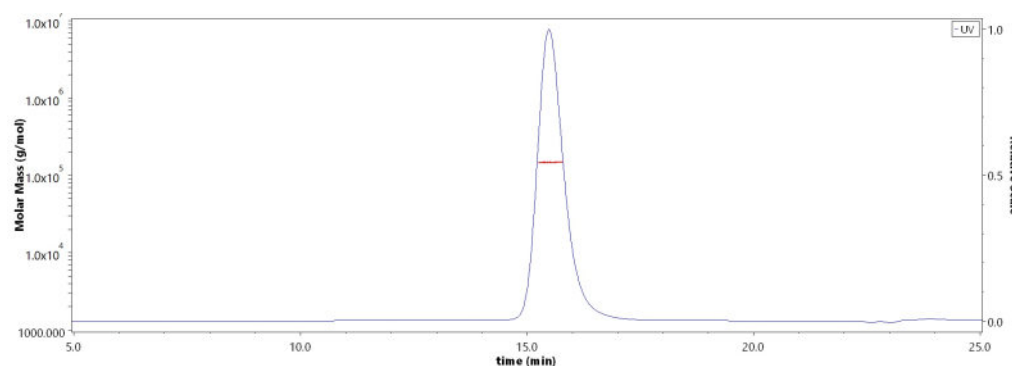
*Please avoid repeated freeze-thaw cycles.*

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**

**SEC-MALS**



Discounts, Gifts, and more!

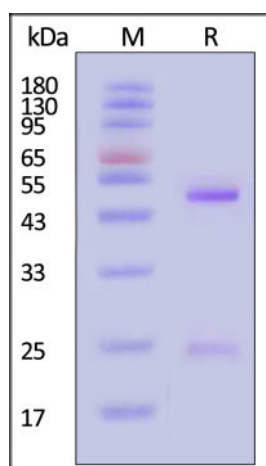


# Monoclonal Anti-SN38 Antibody, Mouse IgG1 (MALS verified)

Catalog # SN8-M685



BIOSYSTEMS  
**Acro**

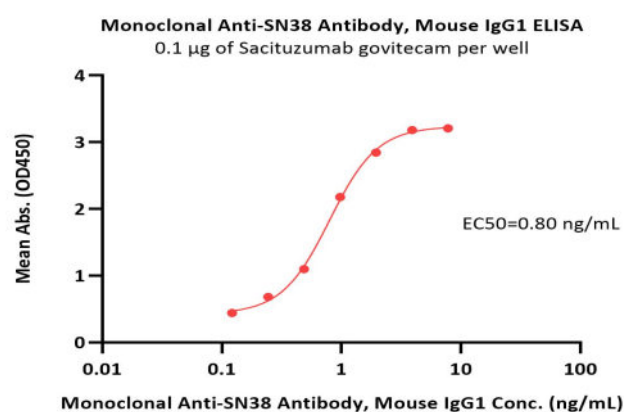


The purity of Monoclonal Anti-SN38 Antibody, Mouse IgG1 (Cat. No. SN8-M685) is more than 95% and the molecular weight of this protein is around 130-160 kDa verified by SEC-MALS.

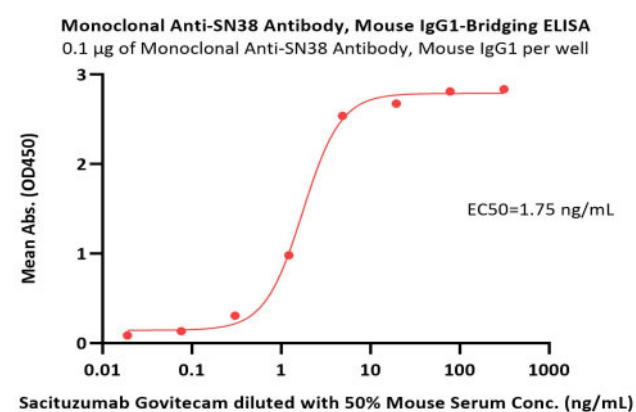
[Report](#)

Monoclonal Anti-SN38 Antibody, Mouse IgG1 on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Bioactivity-ELISA



Immobilized Sacituzumab govitecam at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-SN38 Antibody, Mouse IgG1 (Cat. No. SN8-M685) with a linear range of 0.12-0.98 ng/mL (QC tested).



Immobilized Monoclonal Anti-SN38 Antibody, Mouse IgG1 (Cat. No. SN8-M685) at 1 µg/mL, add Sacituzumab Govitecam in the 50% Mouse serum and then add Biotinylated Human Her2, His,Avitag, premium grade (Cat. No. HE2-H82E2) at 0.5 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (Routinely tested).

## Background

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.

## Clinical and Translational Updates

Discounts, Gifts,  
and more!

