HRP conjugated Monoclonal Anti-SN38 Antibody, Mouse IgG1

Catalog # SN8-PLM685

Specificity

Specifically recognizes the target-SN38.

Source

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

Isotype

Mouse IgG1 | Mouse kappa

Conjugate

HRP-Conjugated

Reactivity

Chemical

Immunogen

SN38-OVA

Application

Application	Recommended Usage
ELISA	2-125 ng/mL

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

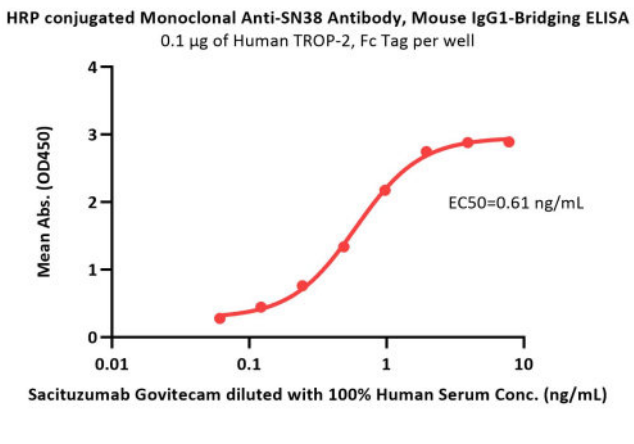
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please protect from light and avoid repeated freeze-thaw cycles.

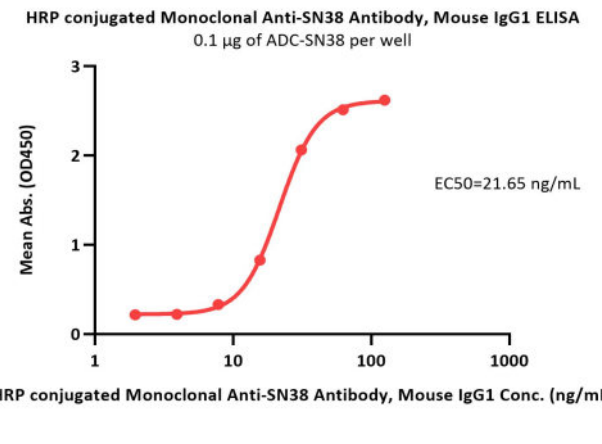
This product is stable after storage at:

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

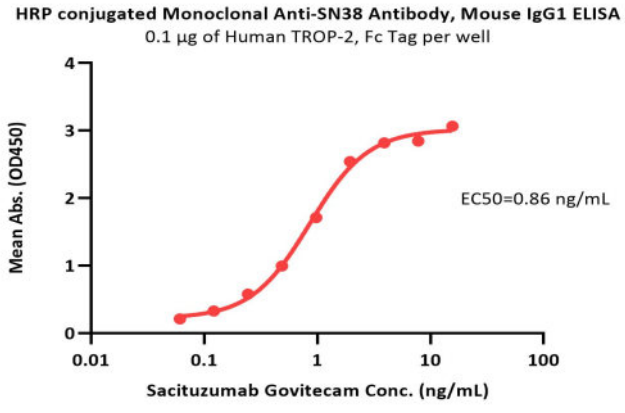
Bioactivity-ELISA



Immobilized Human TROP-2, Fc Tag (Cat. No. TR2-H5253) at 1 μg/mL, add Sacituzumab Govitecam in the 100% Human Serum and then add HRP conjugated Monoclonal Anti-SN38 Antibody, Mouse IgG1 (Cat. No. SN8-PLM685) at 2 μg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).



Immobilized ADC-SN38 at 1 μg/mL (100 μL/well) can bind HRP conjugated Monoclonal Anti-SN38 Antibody, Mouse IgG1 (Cat. No. SN8-PLM685) with a linear range of 2-31.25 ng/mL (Routinely tested).



Immobilized Human TROP-2, Fc Tag (Cat. No. TR2-H5253) at 1 μg/mL, add Sacituzumab Govitecam in the 0.5% BSA and then add HRP conjugated Monoclonal Anti-SN38 Antibody, Mouse IgG1 (Cat. No. SN8-PLM685) at 2 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.