



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-SN-38 [1H3-1] Bulk Size Ab04092-3.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2b Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG2b, [Fc Silent™](#), Lambda

**Clone Number:** 1H3-1

**Alternative Name(s) of Target:** SN38; Topotecan; Camptothecin; CPT; 9-[(dimethylamino)methyl]-10-hydroxy-(4S)-camptothecin; 10-Hydroxy-7-ethylcamptothecin; 7-Ethyl-10-hydroxy-20(S)-camptothecin; 7-Ethyl-10-hydroxycamptothecin; NK 012; NK-012

**UniProt Accession Number of Target Protein:**

**Published Application(s):** SPR, ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with SN38-BSA conjugate.

**Specificity:** This antibody binds SN-38, which is an active metabolite of irinotecan (a semisynthetic analog of camptothecin - a topoisomerase I inhibitor) generated by carboxyl esterases through hydrolysis. SN-38 has potential antineoplastic activity. It binds and inhibits topoisomerase I by stabilizing the cleavable complex between topoisomerase I and DNA, resulting in DNA breaks, inhibition of DNA replication, and apoptosis. In vitro cytotoxicity assays have shown that SN-38 is 1,000-times more cytotoxic than irinotecan against various cancerous cells. SN-38 is commonly used as a cytotoxic drug payload in the ADC field.

**Application Notes:** The binding reactivity of this antibody to SN38-BSA conjugate was determined using ELISA. The binding affinity of this antibody to SN38-KLH conjugate was determined using surface plasmon resonance (SPR). It was reported that this antibody binds SN38-KLH conjugate with a binding affinity of  $K_d=3.06$  nM (CN115197323).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.