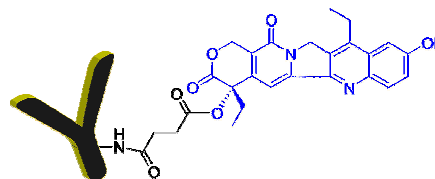


### ADC Control hIgG1-SN38

Lyophilized solid, 100 microgram or 500 microgram per tube, ≥95%

Product Number: CM51102



### Product Description

Irinotecan is on the World Health Organization's List of Essential Medicines, the most effective and safe medicines needed in a health system. SN38 is 1000-times more active than irinotecan but is not generally used as a drug due to its poor water solubility. If conjugated to a protein or antibody, the protein/antibody can transport SN38 to the active site. This product is a control ADC for any IgG type antibody labeled with SN38, particularly any ADC made using CellMosaic's Antibody-SN38 Conjugation Kit (Cat#: CM11408). The product uses a human IgG1 subtype antibody that does not bind to the target. It has an average of 4 SN38 loaded on each antibody and can be used for accessing the effect of SN38 alone (non-specific toxicity). The product uses a very low endotoxin level antibody as a starting material ( $\leq 0.5$  EU/mg by the LAL method). The preparation and purification are conducted under a pyrogen free environment.

The product is sold as 1 vial of 100 microgram (Cat# CM51102-100UG), 1 vial of 500 micrograms (Cat# CM51102-500UG), or 2 vials of 500 micrograms (Cat# CM51102-1MG). For bulk orders, please contact us for a quote.

### Application

- Suitable for control studies for any IgG type antibody labeled with SN38.

### Key Features of this ADC Control

- Lyophilized from phosphate buffered saline containing sugar-based stabilizer for easy shipping and storage.
- **Optimal loading** with average of 3-5 SN38 per antibody to match the conjugate prepared by using CM11408.
- Concentration accurately determined by UV/HPLC
- Loading is confirmed by various methods including UV and difference MALDI-TOF MS
- Final product assayed for endotoxin and suitable for cell culture and animal studies.

### Chemical Information

- **Chemical Name:** ADC Control hIgG1-SN38
- **Chemical Formula:** N/A
- **Molecular Weight:** 148 KDa **CAS Number:** N/A

### Specification

- **Physical Appearance:** Colorless to white lyophilized powder in a microcentrifuge tube
- **Storage Temp:** -20°C
- **Purity:** ≥99% of SN38 labeled antibody by SEC HPLC, free of any unreacted SN38
- **Endotoxin Level:**  $\leq 0.5$  EU/mg by the LAL method

- **Drug over Antibody Ratio (DAR):** 3 to 5 (usually 4)

#### **Antibody Information**

- **Immunogen:** HEL (Hen Egg Lysozyme)
- **Species Reactivity:** Chicken
- **Expression Host:** CHO-S- cell line
- **Class:** Human IgG1, Kappa
- **Antibody Type:** Monoclonal
- **Applications:** ELISA, FACS, IF, IHC, in vivo studies, IP, WB
- **Purification Method:** Affinity purified.