

# ADC Isotype Control Human IgG1 (Exatecan) (MALS verified)

Catalog # DNP-D904P1



## Source

Human IgG1 Kappa Isotype Control (mAb) is a chimeric monoclonal antibody recombinantly expressed from HEK293, which combines the variable region of a mouse monoclonal antibody with Human constant domain.

## DAR

8

## Species

Human

## Isotype

Human IgG1 | Human Kappa

## Conjugate

Exatecan

## Antibody Type

Recombinant Monoclonal

## Purity

95% as determined by SDS-PAGE.

90% as determined by SEC-MALS.

## Purification

Protein A purified / Protein G purified

## Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

## Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

**For best performance, we strongly recommend following the reconstitution protocol provided in the CoA.**

## Storage

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

**Please avoid repeated freeze-thaw cycles.**

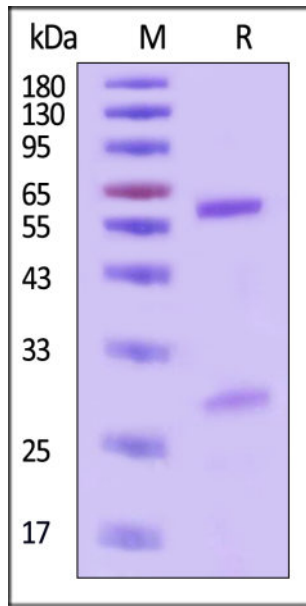
This product is stable after storage at:

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

## ACRO Quality Management System

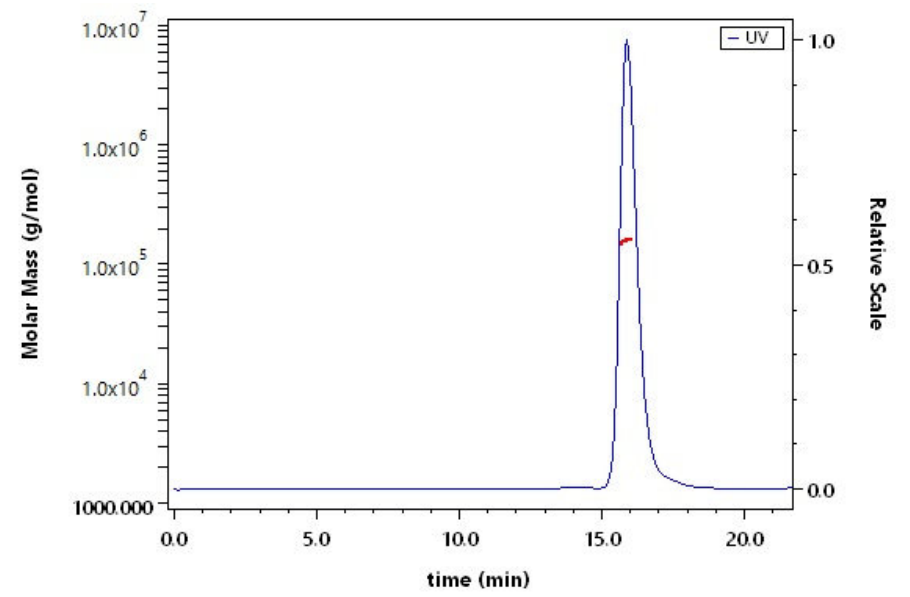
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



ADC Isotype Control Human IgG1 (Exatecan) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS



The purity of ADC Isotype Control Human IgG1 (Exatecan) (Cat. No. DNP-D904P1) is more than 90% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS.

## Background

Exatecan is a semi-synthetic camptothecin-derived topoisomerase I inhibitor. It specifically binds to and inhibits topoisomerase I, blocking DNA replication and transcription processes to potently suppress tumor cell proliferation. As a highly active cytotoxic payload, it serves as a core component of multiple antibody-drug conjugates (ADCs) and is widely used in the research, development and clinical translation of targeted anti-tumor ADC drugs.

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