ADC Isotype Control Human IgG1 (MMAE) (MALS verified)

Catalog # DNP-B904P1

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

4

Species

Human

Isotype

Human IgG1 | Human Kappa

Conjugate

MMAE

Antibody Type

Recombinant Monoclonal

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

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.

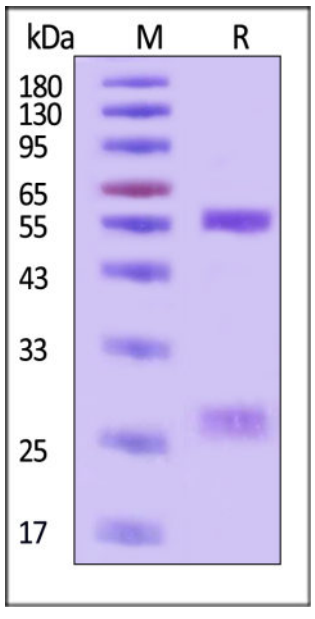
This product is stable after storage at:

- -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

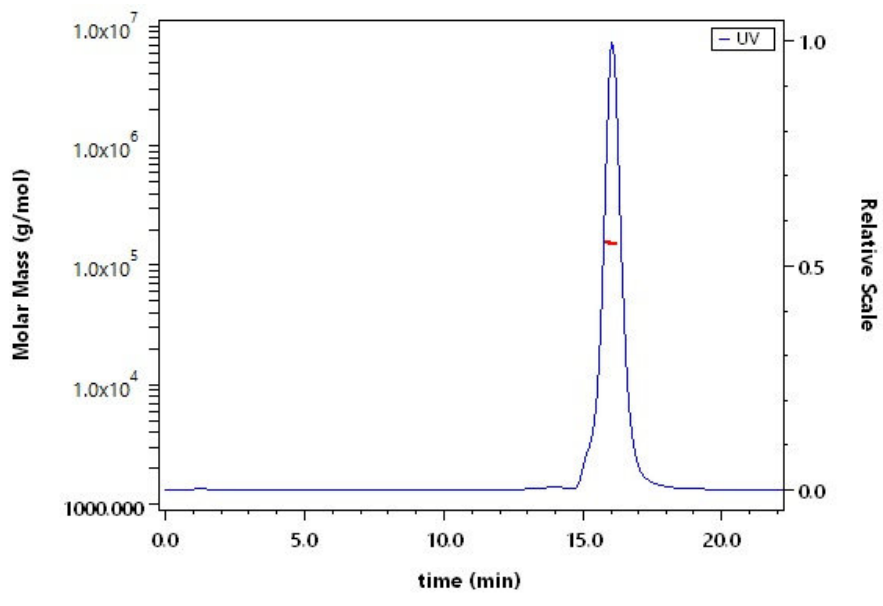
- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

SDS-PAGE



ADC lsotype Control Human IgG1 (MMAE) 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 lsotype Control Human IgG1 (MMAE) (Cat. No. DNP-B904P1) is more than 90% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS.

Background

MMAE (Monomethyl auristatin E) is a synthetic microtubule inhibitor. It binds to tubulin to prevent microtubule polymerization, inducing tumor cell cycle arrest and apoptosis. As a highly toxic payload commonly used in ADCs, it has excellent plasma stability; when conjugated to antibodies, it can precisely kill target cells and is widely applied in the R&D of ADC drugs for hematological malignancies and solid tumors.