FITC-Labeled Human IgG1 Kappa Isotype Control (FITC, mAb, carrier free, MALS verified)

Catalog # DNP-904P1A1

Source

FITC-Labeled 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.

Species

Human

Isotype

Human IgG1 | Human Kappa

Conjugate

FITC

Antibody Type

Recombinant Monoclonal

Purity

95% as determined by SDS-PAGE.

95% 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 protect from light and avoid repeated freeze-thaw cycles.

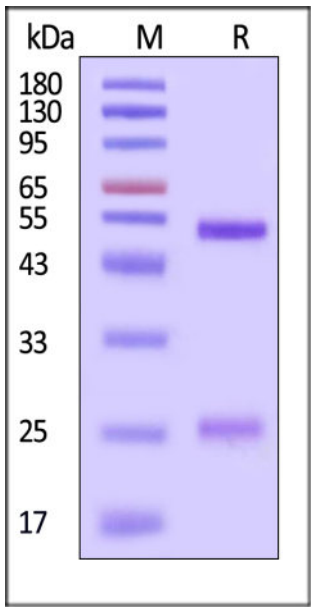
This product is stable after storage at:

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

ACRO Quality Management System

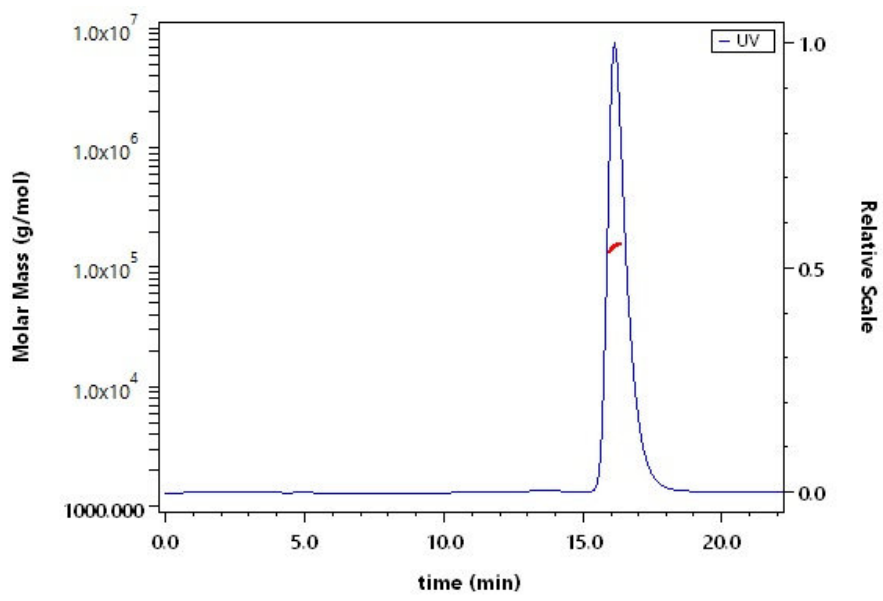
- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

SDS-PAGE



FITC-Labeled Human IgG1 Kappa Isotype Control (mAb) 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 FITC-Labeled Human IgG1 Kappa Isotype Control (mAb) (Cat. No. DNP-904P1A1) is more than 95% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS.

Background

Fluorescently or biotin labeled isotype controls are used to assess non specific staining and autofluorescence in flow cytometry, ELISA, and imaging assays. By recognizing DNP, a hapten absent in biological samples, these controls provide a reliable baseline to distinguish background fluorescence or signal from true antigen specific binding.