

# Biotinylated Mouse IgG1 kappa Antibody Isotype Control

Catalog # DNP-BM190



BIOSYSTEMS  
**Acro**

## Source

Mouse IgG1 kappa Antibody Isotype Control is a monoclonal antibody recombinantly expressed from human 293 cells (HEK293), which provides higher batch consistency and long term security of supply.

## Application

Flow Cytometry.

## Species

Mouse

## Isotype

Mouse IgG1/kappa

## Specificity

Specifically reacts with DNP (Dinitrophenyl) and DNP conjugated proteins, which is normally not present in Humans or animals. Therefore, DNP-BM190 does not react with any antigen of Human or animal cells.

## Immunogen

DNP (Dinitrophenyl)

## Conjugate

Biotin

## Recommended Dilution

1:50

## Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4) containing 0.5% BSA, 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.**

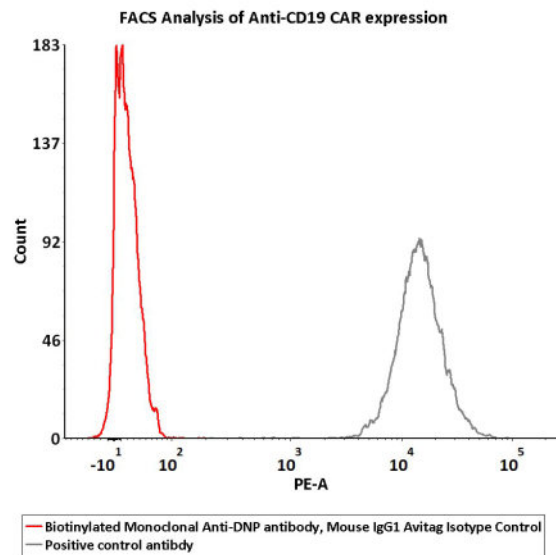
This product is stable after storage at:

- -20°C to -70°C for 24 months in lyophilized state;
- -70°C for 12 months under sterile conditions after reconstitution.

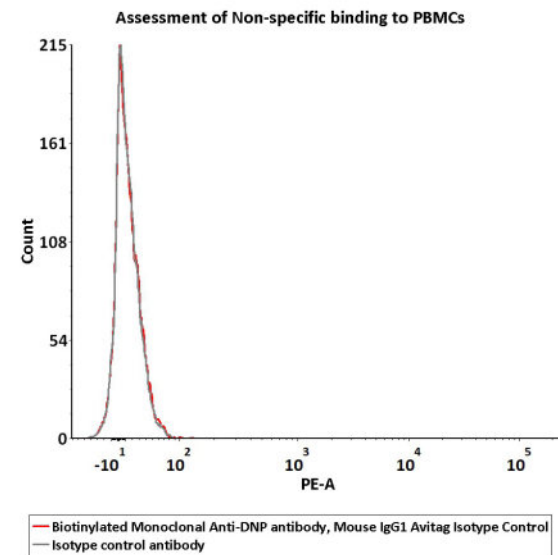
## ACRO Quality Management System

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

## Bioactivity-FACS



2e5 of anti-CD19 CAR-293 cells were stained with 100  $\mu$ L of 1:50 dilution (2  $\mu$ L stock solution in 100  $\mu$ L FACS buffer) Biotinylated Mouse IgG1 kappa Antibody Isotype Control (Cat. No. DNP-BM190) and positive control Biotinylated Monoclonal Anti-FMC63 scFv Antibody, Mouse IgG1, Avitag (Cat. No. FM3-BY54) respectively, washed and then followed by PE-SA and analyzed with FACS (QC tested).



5e5 of PBMCs were stained with 100  $\mu$ L of 1:50 dilution (2  $\mu$ L stock solution in 100  $\mu$ L FACS buffer) Biotinylated Mouse IgG1 kappa Antibody Isotype Control (Cat. No. DNP-BM190) and isotype control Biotinylated Monoclonal Anti-FMC63 scFv Antibody, Mouse IgG1, Avitag (Cat. No. FM3-BY54) respectively, washed and then followed by PE-SA and analyzed with FACS (QC tested).

## 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.



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