

# Biotinylated Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1

Catalog # IGG-BLS307



BIOSYSTEMS  
**Acro**

## Source

Biotinylated Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 is a Mouse monoclonal antibody recombinantly expressed from CHO cells.

## Species

Mouse

## Isotype

Mouse IgG1 | Mouse kappa

## Conjugate

Biotin

## Antibody Type

Recombinant Monoclonal

## Purity

90% as determined by SDS-PAGE.

## 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.**

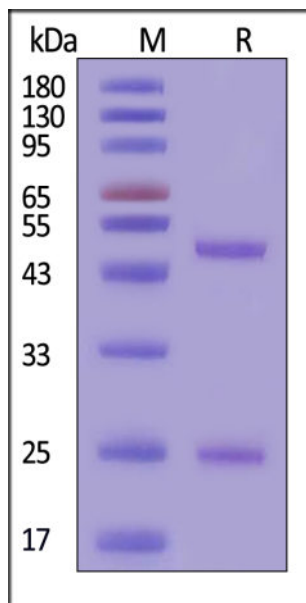
This product is stable after storage at:

- -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](#)

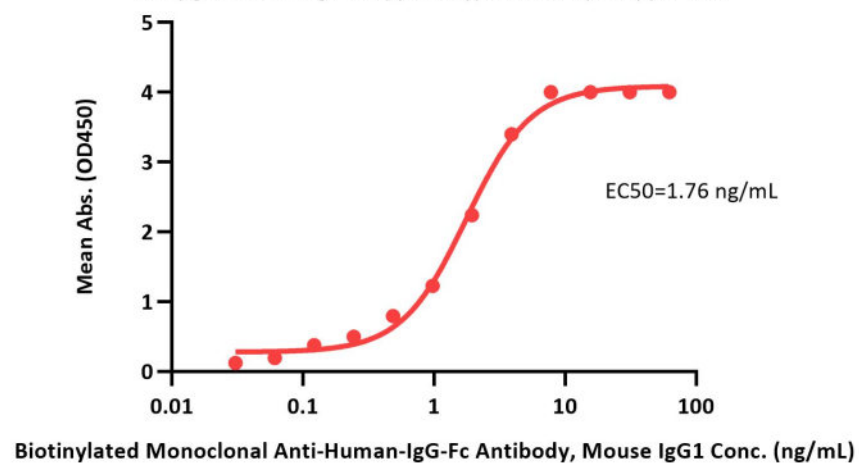
## SDS-PAGE



Biotinylated Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

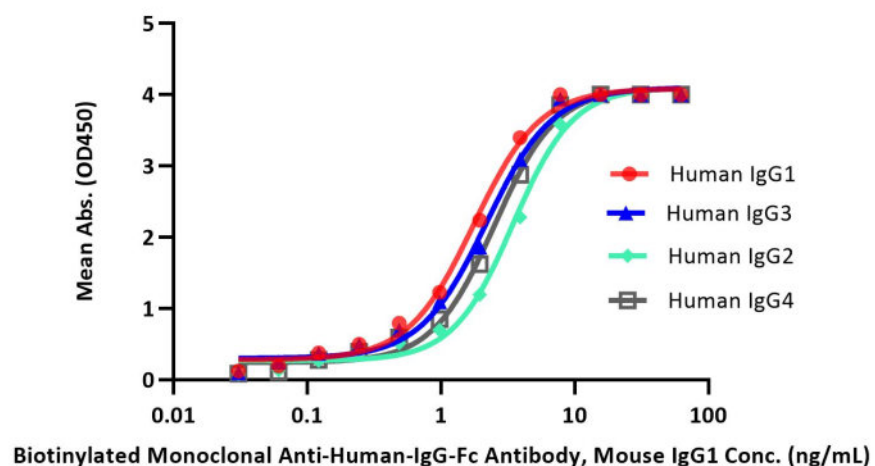
## Bioactivity-ELISA

**Biotinylated Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 ELISA**  
0.1 µg of Human IgG1 Kappa Isotype Control (mAb) per well



Immobilized Human IgG1 Kappa Isotype Control (mAb) (Cat. No. DNP-M2) at 1 µg/mL (100 µL/well) can bind Biotinylated Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (Cat. No. IGG-BLS307) with a linear range of 0.03-4 ng/mL (QC tested).

**Elisa Binding to Different Human IgGs**



Binding activity of Biotinylated Monoclonal Anti-Human-IgG-Fc Antibody, Mouse IgG1 (Cat. No. IGG-BLS307) to different Human IgGs, as determined by ELISA. Human IgGs were coated at 1 µg/mL. The primary antibody (Cat. No. IGG-BLS307) was serially diluted starting from 62.5 ng/mL, and Streptavidin Protein-HRP, Horseradish peroxidase conjugated Streptavidin (Acro, Cat. No. STN-NH913) was used as the secondary antibody at a dilution of 0.1 µg/mL. Binding was measured by OD<sub>450</sub> (Routinely tested).

## Background

Crystallizable fragments composed of the carboxy-terminal halves of both IMMUNOGLOBULIN HEAVY CHAINS linked to each other by disulfide bonds. Fc fragments contain the carboxy-terminal parts of the heavy chain constant regions that are responsible for the effector functions of an immunoglobulin (COMPLEMENT fixation, binding to the cell membrane via FC RECEPTORS, and placental transport).

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