

HRP conjugated Monoclonal Anti-Human IgG3 Fc Antibody, Mouse IgG2a (2B7)

Catalog # IG3-HMY2179



BIOSYSTEMS
Acro

Source

HRP conjugated Monoclonal Anti-Human IgG3 Fc Antibody, Mouse IgG2a (2B7) is a mouse monoclonal antibody recombinantly expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

2B7

Isotype

Mouse IgG2a, Kappa

Host Species

Mouse

Reactivity

Human, Cynomolgus Monkey (minimal cross-reactivity)

Immunogen

Recombinant Human IgG3 Fc is expressed from human 293 cells

Conjugate

HRP Labeled

Specificity

Specifically reacts with the Fc region of human IgG3, with minimal cross-reactivity to other human IgG isotypes and Cynomolgus IgG1.

Cross Verification

Strong reactivity: Human IgG3.

Minimal cross-reactivity (<1%): Cynomolgus IgG1, Human IgG1, Human IgG2, Human IgG4 and their engineered variants.

No cross-reactivity: Rabbit IgG, Rat IgG, Mouse IgG1/IgG2a/IgG2b, Human IgA1, Human IgA2, Human IgM.

Purification

Protein A purified / Protein G purified.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 μ m-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.

Shipping

Lyophilized product is shipped at ambient temperature.

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 24 months in lyophilized state;
- -70°C for 12 months after reconstitution.

- 2-8 °C for 1 week after reconstitution.

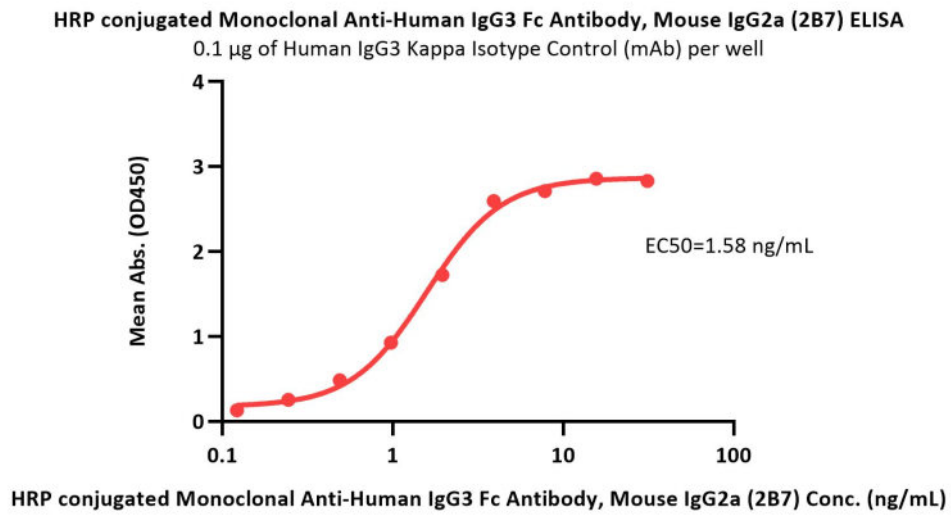
Notices

Product Specific Notices: For research use only.

ACRO Quality Management System

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

Bioactivity-ELISA



Immobilized Human IgG3 Kappa Isotype Control (mAb) (Cat. No. DNP-M915) at 1 µg/mL (100 µL/well) can bind HRP conjugated Monoclonal Anti-Human IgG3 Fc Antibody, Mouse IgG2a (2B7) (Cat. No. IG3-HMY2179) with a linear range of 0.1-4 ng/mL (QC tested).

Background

Immunoglobulin G3 (IgG3) is a member of many immunoglobulin G developed and secreted by effective B cells. In wake of cutting by pepsin, IgG is divided into two F(ab)s with one antigen binding site and a high conserved Fc segment. The Fc segment bears a highly conserved N-glycosylation site. Ig gamma-3 chain C region (IgG3-Fc / IGHG3) contains two constant regions of IgG3 H chain (CH2, CH3).

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