A24925

Leader in Biomolecular Solutions for Life Science

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ABflo® 647 Rabbit anti-Mouse IgG1

Catalog No.: A24925 1 Publications

Basic Information

Observed MW

Calculated MW
36kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
FC

Cross-Reactivity
Mouse

Clone number
ARC63967-ABflo647

Conjugate
ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Contact

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Background

Mouse IgG1 is a subtype of immunoglobulin G antibody that is produced by B cells in response to an antigen. It is the most abundant IgG subtype in the serum and plays a crucial role in the adaptive immune response. Mouse IgG1 is composed of two heavy chains and two light chains, and it is involved in opsonization, complement activation, and antibody-dependent cell-mediated cytotoxicity. It is also involved in the regulation of immune responses, including the activation of T cells and the inhibition of B cell activation. Mouse IgG1 is widely used in research and diagnostic applications, including ELISA, Western blotting, and immunohistochemistry. It is also used in therapeutic applications, such as immunotherapy and vaccine development.

Immunogen Information

Gene ID

Swiss Prot
P01868

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
IgG1

Product Information

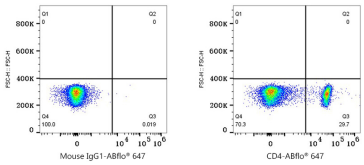
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Flow cytometry: 1X10^6 Human PBMC were surface-stained with ABflo® 647 Mouse IgG1 isotype control (A25488,5 µl/Test,left) or Mouse anti-Human CD4 Antibody (0.5 µg,right), followed by ABflo® 647 Rabbit anti-Mouse IgG1 mAb (A24925,5 µl/Test) staining. Cells in the lymphocyte gate were used for analysis.