BioLegend®

Version: 1 Revision Date: 09/14/2020

PE anti-human IgG Fc Recombinant Antibody

Catalog# / Size	366903 / 25 tests 366904 / 100 tests
Clone	QA19A42
Regulatory Status	RUO
Other Names	Immunoglobulin G
Isotype	Mouse IgG1, κ
Description	IgG Fc is a homodimer composed of the constant region of the two heavy chains that form the IgG molecule. The Fc fragment mediates opsonization, antibody dependent cellular cytotoxicity (ADCC), and complement activation through binding to Fc receptors such as CD16, CD32, CD64, and the complement factor C1.

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze**.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Product Citations	1. Fernandes LA, *et al.* 2022. Protein Sci. 31:e4355. PubMed 2. Mulgaonkar A, *et al.* 2022. Clin Cancer Res. 28:4907. PubMed
RRID	AB_2876689 (BioLegend Cat. No. 366903) AB_2876689 (BioLegend Cat. No. 366904)

Antigen Details

Structure	Homodimer formed by the constant region of the IgG heavy chain
Ligand/Receptor	CD16, CD32, CD64
Cell Type	B cells, Basophils, Dendritic cells, Macrophages, Mast cells, Neutrophils, NK cells, Platelets
Biology Area	Adaptive Immunity, Cell Biology, Immunology, Innate Immunity

Molecular Family	Fc Receptors
Antigen References	1. Paul WE. 2003. *Fundamental Immunology*. Lippincott Williams & Wilkins. Philadelphia PA.
Gene ID	3500

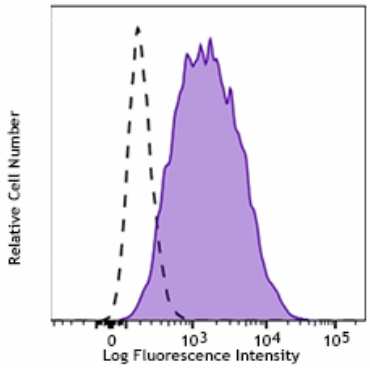
Related Protocols

- Cell Surface Flow Cytometry Staining Protocol

Other Formats

PE anti-human IgG Fc Recombinant Antibody, APC anti-human IgG Fc Recombinant Antibody, Purified anti-human IgG Fc Recombinant Antibody, PE/Cyanine7 anti-human IgG Fc Recombinant Antibody, PerCP/Cyanine5.5 anti-human IgG Fc Recombinant Antibody, APC/Cyanine7 anti-human IgG Fc Recombinant Antibody, Alexa Fluor® 647 anti-human IgG Fc Recombinant Antibody, Biotin anti-human IgG Fc Recombinant Antibody, Alexa Fluor® 488 anti-human IgG Fc Recombinant, FITC anti-human IgG Fc Recombinant, PE/Dazzle™ 594 anti-human IgG Fc Recombinant, Spark Red™ 718 anti-human IgG Fc Recombinant (Flexi-Fluor™) Antibody , Spark Blue™ 574 anti-human IgG Fc Recombinant (Flexi-Fluor™) Antibody , Spark Blue™ 550 anti-human IgG Fc Recombinant (Flexi-Fluor™) Antibody

Product Data



Human DLL4 transfected CHO cells were incubated with recombinant human Notch 1-IgG Fc fusion protein, then stained with anti-human IgG Fc recombinant (clone QA19A42) PE (filled histogram) or mouse IgG1, κ PE isotype control (open histogram).

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