

PE Human IgG1 Isotype Control Recombinant Antibody

Catalog# / Size	403503 / 25 µg 403504 / 100 µg
Clone	QA16A12
Regulatory Status	RUO
Other Names	IGHG1, constant region of heavy chain of IgG1, immunoglobulin gamma 1
Isotype	Human IgG1, κ
Description	Immunoglobulin G1, or IgG1, is a type of antibody. Humans express four types of IgG (IgG1, IgG2, IgG3, and IgG4). Antibodies in mammals are complex proteins, composed of four independent amino acid chains. The molecule is formed by two identical heavy chains and two identical light chains, and produced by B cells. The FcγR molecules (CD16, CD32, and CD64) on the surface of various immune cells can bind IgG1, IgG2, and IgG4.

Product Details

Antibody Type	Recombinant
Host Species	Human
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	0.2 mg/ml
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, use the isotype control at the same concentration as your primary antibody. 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)
Application Notes	QA16A12 is a full length recombinant human IgG1 consisting of both heavy and light chains. It can be used as an isotype control when evaluating fully human, humanized, or chimeric antibodies. This product is suitable as an isotype-matched control for ELISA, immunoblotting, FACS, IHC, and functional studies.

Antigen Details

Structure	Immunoglobulin, 150 kDa
Cell Type	B cells
Biology Area	Immunology
Gene ID	NA

Related Protocols

Other Formats

Ultra-LEAF™ Purified Human IgG1 Isotype Control Recombinant Antibody, APC Human IgG1 Isotype Control Recombinant, PE Human IgG1 Isotype Control Recombinant, FITC Human IgG1 Isotype Control Recombinant

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