

## Monoclonal Antibody to Human IgG1 (gamma 1 chain specific) - PE

<b>Alternate names:</b>	Human Immunoglobulin G1
<b>Catalog No.:</b>	AM08151RP-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	Immunoglobulin G (IgG), is one of the most abundant proteins in human serum with normal levels between 8-17 mg/ml in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 10e11 variants.
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	4E3
<b>Format:</b>	<b>State:</b> Liquid Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. <b>Label:</b> PE – R-Phycoerythrin
<b>Applications:</b>	<b>ELISA</b> <b>FLISA</b> (1.0 µg/ml).  Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody reacts with the hinge region of the heavy chain of Human IgG1 as demonstrated by ELISA. It May also react with IgG from other species.
<b>Species Reactivity:</b>	<b>Tested:</b> Human.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Mark T. Whary, Natliya Sundina, Luis E. Bravo, Pelayo Correa, Francisco Quinones, Fanny caro, and James G. Fox 2005 Cancer Epidemiol Biomarkers Prev 14(6):1464.

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Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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