

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

Alternate names:	Human Immunoglobulin G1
Catalog No.:	AM08151FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	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.
Host / Isotype:	Mouse / IgG1
Clone:	4E3
Format:	State: Liquid purified Ig fraction. Buffer System: 100 mM borate buffered saline, pH 8.0. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	FLISA: 1:200-1:400 Immunofluorescence < / = 1 µg/10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	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. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	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.