

Monoclonal Antibody to Human IgG (Fc specific) - FITC

Alternate names:	Human Immunoglobulin G
Catalog No.:	AM08150FC-N
Quantity:	0.5 mg
Concentration:	0.5 mg/ml
Background:	IgG is a monomeric immunoglobulin, built of two heavy chains gamma and two light chains. Each molecule has two antigen binding sites. This is the most abundant immunoglobulin and is approximately equally distributed in blood and in tissue liquids, constituting 75% of serum immunoglobulins in humans. This is the only isotype that can pass through the human placenta, thereby providing protection to the fetus in its first weeks of life before its own immune system has developed. It can bind to many kinds of pathogens, for example viruses, bacteria, and fungi, and protects the body against them by complement activation (classic pathway), opsonization for phagocytosis and neutralisation of their toxins. There are 4 subclasses: IgG1 (66%), IgG2 (23%), IgG3 (7%) and IgG4 (4%).
Host / Isotype:	Mouse / IgG2b
Clone:	H2
Format:	State: Liquid purified Ig fraction. Buffer System: PBS containing 0.09% Sodium Azide as preservative. Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Indirect Immunofluorescent staining of IgG+ human B lymphocytes: $< / = 1 \mu\text{g}/10\text{e}6$ cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts with the Fc portion of the heavy chain of all subclasses of human IgG 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.