



1F-536-C100

## Monoclonal Antibody to IgG (Fc) Fluorescein (FITC) conjugated (0.1 mg)

<b>Clone:</b>	EM-07
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody EM-07 reacts with Fc part of human IgG heavy chain and with isolated Fc fragments.
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Fusion protein of human IgG Fc fragment.
<b>Species Reactivity:</b>	Human, Other not determined
<b>Preparation:</b>	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.
<b>Concentration:</b>	0.1 mg/ml
<b>Storage Buffer:</b>	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
<b>Storage / Stability:</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
<b>Usage:</b>	The FITC conjugate is designed for direct immunofluorescence analysis. Suggested working dilution is 2 - 5 µg/ml. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	Immunoglobulin G (IgG) is a 150 kDa soluble protein that serves as a major effector molecule of the humoral immune response in man. Its concentration in blood plasma of healthy individuals is approximately 10 g/l, which accounts for about 75% of the total plasma immunoglobulins. IgG has the highest stability of blood immunoglobulins (T <sub>1/2</sub> = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins.
<b>References:</b>	*Franklin EC: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95. *Fuller JM, Keyser JW: Serum immunoglobulins after surgical operation. Clin Chem. 1975 May;21(6):667-71. *Balogh Z, Merétey K, Falus A, Bozsóky S: Serological abnormalities in juvenile chronic arthritis: a review of 46 cases. Ann Rheum Dis. 1980 Apr;39(2):129-34. *Brinkmann V, Heusser CH: T cell-dependent differentiation of human B cells into IgM, IgG, IgA, or IgE plasma cells: high rate of antibody production by IgE plasma cells, but limited clonal expansion of IgE precursors. Cell Immunol. 1993 Dec;152(2):323-32.

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