

Monoclonal Antibody to Human IgM (mu chain, Fc-region) - FITC

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| Alternate names: | Human Immunoglobulin M |
| Catalog No.: | SM3063F |
| Quantity: | 0.1 mg |
| Concentration: | 1.0 mg/ml |
| Background: | Immunoglobulin M (IgM) is produced as a 900 kDa pentamer, which is an efficient complement binder. This antibody type is produced initially in the immune response and it is the first immunoglobulin class to be synthesized by a fetus or newborn. IgM antibodies do not cross the placenta. IgM concentration in blood is 0.12 g/l and its biological survival (plasma T _{1/2}) is 5 days. |
| Host / Isotype: | Mouse / IgG1 |
| Clone: | CH2 |
| Immunogen: | Purified human IgM |
| Format: | State: Liquid purified Ig fraction Buffer System: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 Label: FITC – Conjugated with Fluorescein isothiocyanate under optimum conditions. The reagent is free of unconjugated |
| Applications: | Flow cytometry (1/500 starting dilution). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | The antibody reacts with Fc fragment of IgM. Species: Human. Other species not tested. |
| Storage: | Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch. |
| General References: | Franklin E.C.: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95. Fuller JM, Keyser J.W.: Serum immunoglobulins after surgical operation. Clin Chem. 1975 May;21(6):667-71. Balogh Z, Meretey K, Falus A, Bozsoky 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. |

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com