



Product Specification Sheet

Cat. #MA-20004

Mouse Monoclonal Anti-Human Immunoglobulin M (IgM) Affinity pure

SIZE: 100 ul

Immunoglobulin M (IgM), along with IgA, IgD, and IgE, make up approximately 20% of the total gamma globulin in the body, with IgG accounting for the other 80%. Each class of antibody gets its designation from the heavy and light peptide chains that make up the antibody structure. IgM is the first immunoglobulin produced during the immune response and the first antibody produced in neonates. Serum levels of IgM are associated with certain autoimmune diseases, and abnormally low levels may indicate the presence of Wiskott-Aldrich Syndrome, an inherited immunodeficiency disorder. Monoclonal Anti-Human IgM is derived from the hybridoma1 produced by the fusion of mouse myeloma cells and splenocytes from an immunized mouse.

References: Hoppe-Seyley's Z. et al. *Physiol. Chem.* 354:1505-1509(1973) Roitt,I, et al :*"Immunology"*,Mosby.,London, England, (1996) fourth edition.

**All product are for In vitro research use only.*

Related material available from GSI

MA-20004

120320A

Source of Antigen and Antibodies

Antigen	ChromPure Human IgM (myeloma), whole molecule
Ab Host/type	Balb/c mouse. Isotype: IgG1 Purified antibody in PBS containing 0.05% sodium azide.
2-Ab	Goat Anti-mouse IgG-HRP conjugate Cat # SA-40320 (AP, biotin, FITC conjugates also available))
-ve control IgG	Cat # SA-20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control.

Isotype Controls

- SA-20102-101 Mouse IgG1 isotype control, purified
- SA-20102-101-APC Mouse IgG1-APC conjugate (isotype)
- SA-20102-101-B Mouse IgG1-Biotin conjugate (isotype)
- SA-20102-101-F Mouse IgG1-FITC conjugate (isotype)
- SA-20102-101-FP Mouse IgG1-FITC-PE conjugate (isotype)
- SA-20102-101-HP Mouse IgG1-HRP conjugate (isotype)
- SA-20102-101-PC5 Mouse IgG1-PE-Cy5 conjugate (isotype)
- SA-20102-101-PE Mouse IgG1-PE conjugate (isotype control)

Suggested Dilutions:

Western blot	N/A
Immunohistochemistry (IHC):	N/A
Immunocytochemistry (ICC):	N/A
Flow cytometry (FCM):	N/A
ELISA	1:5000-1:10000

Form: Antibodies are supplied in PBS, pH 7.5, 0.05% azide and 0.1% BSA in liquid (0.5-1 mg/ml) or lyophilized in the same buffer. Reconstitute powder in 100 ul water or PBS. Store at -20oC or below is suitable size Aliquots.

Shipping: 4oC for solutions and room temp for powder.