

human IgM Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1004a

Product Information

Application	E
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3H10G5F2
Isotype	IgG1
Description	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 hybridoma ¹ produced by the fusion of mouse myeloma cells and splenocytes from an immunized mouse.
Immunogen	ChromPure Human IgM (myeloma), whole molecule.
Formulation	Purified antibody in PBS containing 0.03% sodium azide.

Additional Information

Dilution	E~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	human IgM Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

References

1. Hoppe-Seyler's Z. et al. *Physiol. Chem.* 354:1505-1509(1973). 2. Roitt, I, et al :*"Immunology"*, Mosby., London, England, (1996) fourth edition.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.