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Anti-Human IgM (mu chain) (Peroxidase Conjugated) Secondary Antibody

Goat Polyclonal, Peroxidase (Horseradish)
Catalog # ASR2046

Product Information

Description	Anti-HUMAN IgM (mu chain) (GOAT) Antibody Peroxidase Conjugated
Host	Goat
Conjugate	Peroxidase (Horseradish)
Target Species	Human
Clonality	Polyclonal
Physical State	Lyophilized
Host Isotype	IgG
Target Isotype	IgM □chain
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Human IgM mu heavy chain
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

Additional Information

Shipping Condition	Ambient
Application Note	Human IgM (mu chain) Antibody is peroxidase conjugated and is suitable for immunoassays where specificity to the immunoglobulin mu chain region is desired. Antibody has been tested by ELISA, western blot immunoblot, and immunohistochemisty. Optimal concentrations in immunoassays should be determined by the researcher.
Purity	Human IgM (mu chain) Antibody, Peroxidase Conjugated, was prepared from monospecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum, Human IgM and Human Serum. Specificity was confirmed by ELISA minimal cross-reactivity against other human heavy or light chain isotypes.
Storage Condition	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Precautions Note	This product is for research use only and is not intended for therapeutic or diagnostic applications.

Background

Human IgM (mu chain) Antibody, Peroxidase Conjugated detects IgM. Immunoglobulin M, or IgM, is an antibody produced by B cells. IgM is a pentamer composed of 5 immunogobulin molecules linked through their F(c) domain by the J chain. The mu chain is the heavy chain of IgM and contains an F(c) domain. IgM is the first antibody to appear in response to initial exposure to antigen, followed by IgG. The spleen is the major site of specific IgM production, IgM in normal serum is often found to bind to specific antigens , even in the absence of prior immunization making it a first line of immune surveillance.

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