

Product Datasheet

Human IgM (mu chain) Antibody Peroxidase Conjugated (orb347226)

Catalog Number	orb347226
Category	Antibodies
Description	Human IgM (mu chain) antibody (Peroxidase)
Clonality	Polyclonal
Species/Host	Goat
Isotype	IgG
Conjugation	HRP
Reactivity	Human
Form/Appearance	Lyophilized
Concentration	1.0 mg/mL
Buffer/Preservatives	Preservative: 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!. Stabilizer: 10 mg/mL Bovine Serum Albumin (rAlbumin) - Immunoglobulin and Protease free; Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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. No reaction was observed against other human heavy or light chain proteins.

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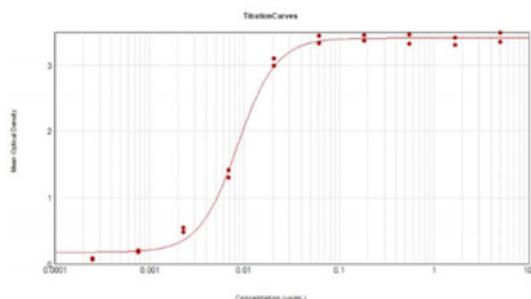
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Immunogen	Human IgM whole molecule
Tested applications	ELISA, IHC, WB
Dilution range	ELISA: 1:180,000, IHC: 1:500 - 1:2,500, WB: 1:2,000 - 1:20,000
Application notes	Anti-Human IgM (mu heavy chain) Peroxidase has been tested by ELISA and is suitable for western blot, immunohistochemistry, and immunoassays where specificity to the immunoglobulin mu chain region is desired. Optimal concentrations in immunoassays should be determined by the researcher.
Antibody Type	Secondary Antibody
Storage	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.
Note	For research use only



ELISA Results of purified Goat Anti-Human IgM Peroxidase Conjugated Antibody tested against purified Human IgM. The working dilution for Anti-Human IgM HRP is 1:120000. Each well was coated in duplicate with 1.0 µg of Human IgM (p/n orb2652752). The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% Fish Gel/PBS Blocking buffer and orb348651 substrate.

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