Product Datasheet

Mouse IgM (mu chain) Antibody Peroxidase Conjugated (orb347431)

Catalog Number	orb347431
Category	Antibodies
Description	Peroxidase Conjugated Mouse IgM (Mu Chain) Antibody
Clonality	Polyclonal
Species/Host	Goat
Isotype	IgG
Conjugation	HRP
Reactivity	Mouse
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	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse IgM 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, Mouse IgM and Mouse Serum. No reaction was observed against other mouse heavy or light chain proteins.
Immunogen	Mouse IgM whole molecule

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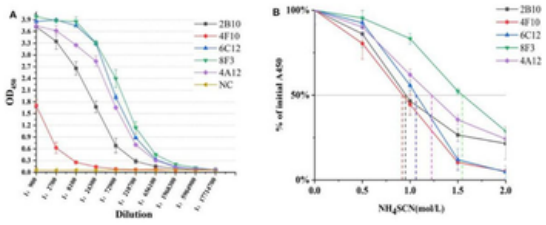
Tested applications	ELISA, IHC, WB
Dilution range	ELISA: 1:30,000, IHC: 1:500 - 1:2,000, WB: 1:1,000 - 1:5,000
Application notes	Mouse IgM (mu chain) peroxidase conjugated Antibody is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring extremely low background levels, lot-to-lot consistency, high titer and specificity.
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 using Goat Anti-Mouse IgM HRP. Determination of mAb titer and affinity. (A) Titration of mAb by an indirect ELISA. The mAb was serially diluted in 1:3. The optimum working concentration was determined for a midpoint of the steep portion of the curve. (B) The measurement of antibody relative affinity by thiocyanate elution assay. The affinity index was estimated by the molarity of NH4SCN causing 50% reduction from initial absorbance in the elution curves. All experiments were carried out in triplicate and the results were calculated from three independent experiments.

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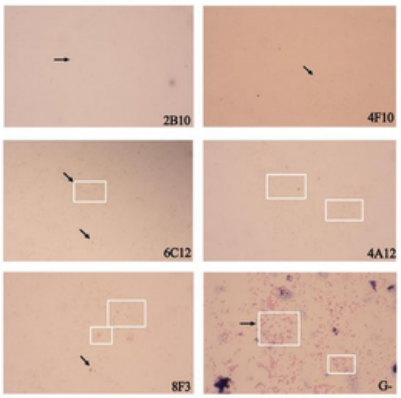

Immunochemical Staining using Goat Anti-Mouse IgM HRP. Identification of intact B. melitensis strain by ICS with mAbs. The intact bacteria of B. melitensis strain were stained by ICS with individual mAbs. Saturated with goat anti-mouse IgG and IgM HRP conjugate. Bacteria were visualized with diaminobenzidine (DAB) substrate for color development. G-, Gram staining for bacterial control of B. melitensis strain examined under white light with a microbiological microscope.

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