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Monoclonal Antibody to Retinol Binding Protein (RBP)

Catalog No.: DM3185

Quantity: 0.5 ml

Concentration: 0.2 mg/ml

Host / Isotype: Mouse / IgG1

Clone: B375

Immunogen: Retinol Binding Protein purified from human placenta (1)

Format: This antibody is supplied as liquid, immunoglobulin fraction in 20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

Applications: Western Blot (1/100-1/200) (1). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: This antibody reacts with an approximately 21-25kD circulatory retinol binding protein from Human (1), Monkey, Goat, Rabbit (1), Rat (1) and Mouse. Cellular Localization: cytoplasmic. This antibody recognizes reduced and carboxymethylated RBM (RCM-RBM) as well as the circulatory RBP but not the native RBM, thereby suggesting that its epitope becomes accessible either on unfolding or upon binding of RBP to transthyretin (prealbumin).

Storage: Store the antibody at 4°C. Do not freeze. Shelf life: one year from despatch.

Aliquot. Instruct.: Do not dilute the entire antibody at once, since the diluted solution may have reduced stability.
Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

General Readings:

1. Reddy, B.M., et.al. Antigenic determination of human serum retinol binding protein as probed with MAbs. Molec. Immun