



Category: Monoclonal Antibodies **Cat. #** V7038 **Product Name:** Retinol Binding Protein (RBP)

Description:
Monoclonal Mouse Anti-Human Retinol Binding Protein (RBP)

Immunogen:
Human retinol binding protein purified from human placenta (1).

Application:
Western Blotting (1:100-1:200)
The optimum dilution should be determined by the individual lab.

Species Reactivity:
This antibody reacts with an approximately 21-25kD circulatory retinol binding protein from Human, Monkey, goat, rabbit (1), Rat(1) and Mouse; others not tested.

Recommended Positive Control:
Human liver or placenta

Epitope:
aa 74-182

Presentation:
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.

Aliquoting Instructions:
Do not dilute the entire reconstituted solution at once. 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.

Specificity:
This antibody reacts with an approximately 21-25 kD circulatory retinol binding protein from human, monkey, goat, rat and mouse.

Storage:
Store at 2~8o C for short term, freeze under -20oC for long term storage

Notes:
This antibody recognizes reduced and carboxymethylated RBP (RCM-RBP) as well as the circulatory RBP but not the native RBP, thereby suggesting that its epitope becomes accessible either on unfolding or upon binding of RBP to transthyretin (prealbumin).

Size: 0.2mg
Clone: B375(G4E4)
Isotype: IgG1, k
Host: Mouse
Form: Purified
Mol. Wt. of Antigen: 21-25 kD
Concentration: 0.5 mg/ml
Units On Hand: YES

References:
1. Reddy, B.M., et.al. "Antigenic determination of human serum retinol binding protein as probed with MAbs." Molecular Immunol. 30 (15):1355-1360, 1993.

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