



Category: Monoclonal Antibodies **Cat. #** V7054 **Product Name:** Placental Alkaline Phosphatase-Purified Monoclonal

Description:
Monoclonal Mouse Anti-Human Placental Alkaline Phosphatase (PLAP)

Immunogen:
Purified PLAP.

Cellular Localization:
Cell membrane

Application:
Immunohistochemistry (Frozen sections) 1:50 - 1:100 .

Species Reactivity:
Human. Others not tested.

Recommended Positive Control:
Human Placenta Third Trimester

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.

Staining Procedure:
This antibody can be used on FROZEN tissue sections. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

Specificity:
PLAP is a membrane-bound isozyme distributed on syncytiotrophoblasts of human placenta during the third trimester.

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

Size: 0.2mg
Clone: B431 (H7E8)
Isotype: IgG2a, k
Host: Mouse
Form: Purified
Mol. Wt. of Antigen: Poly disperse: Mono 58kD; Poly 240kD
Concentration: IgG2a approx. 0.5 mg/ml
Units On Hand: YES

References:
1. Millan, J.L., et al, Antigenic determinants of human placental and testicular alkaline phosphatase as mapped by monoclonal antibodies. Eur. J. Biochem. 136: 1-12, 1983.

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