



**Category:**  
Monoclonal Antibodies

**Cat. #**  
V7069-1

**Product Name:**  
Major Vault Protein (MVP)/Lung  
Resistance Protein (LRP) - Clone B455

**Description:**  
Monoclonal Mouse Anti-Human MVP/LRP

**Immunogen:**  
Affinity purified human nuclear extract proteins.

**Application:**  
Immunohistochemistry 1:50-1:100 on frozen tissue sections.  
Western Blotting 1:100-1:300.  
The optimum conditions should be determined by the individual lab.

**Species Reactivity:**  
Human. Others not tested.

**Recommended Positive Control:**  
Breast Carcinoma, Fibroadenoma

**Presentation:**  
20 mM tris-borate, 150 mM Sodium Chloride and 0.05% Sodium Azide, pH 7.5.

**Aliquoting Instructions:**  
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. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

**Staining Procedure:**  
It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

**Specificity:**  
This antibody detects a 104kD protein. It is one of four antibodies that recognize different epitopes. The protein detected is the MVP/LRP and can interact with the estrogen receptor. This protein's composition and structure are highly conserved and it is a part of a large vault ribonucleoprotein found in all eukaryotic cells. This protein differs from other ribonucleoproteins in its size, shape, and RNA and protein composition.

**Storage:**  
Store at 2~8°C for short term, freeze under -20°C for long term storage.

**Size:** 0.2mg  
**Clone:** B455(1027)  
**Isotype:** IgM  
**Host:** Mouse  
**Form:** purified  
**Mol. Wt. of Antigen:** 104-110 kD  
**Concentration:** 0.5 mg/ml  
**Units On Hand:** YES

**References:**  
1. Abbondanza, C. et al, Interaction of vault particles with estrogen receptor in the MCF-7 breast cancer cell, J. Cell Biol. 141:1301-1310, 1998.  
2. Den Boer, M.L. et al, Relationship between MVP/LRP, multidrug resistance-associated protein, P-glycoprotein expression, and drug resistance in childhood leukemia, Blood. 91:2092-2098, 1998.  
3. Hart, S.M. et al, Expression of the major vault protein LRP in acute myeloid leukemia, Exp. Hematol. 25(12):1227-1232, 1997.

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