



Category:
Monoclonal Antibodies

Cat. #
V7069-2

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: U244 (1014)
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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