



## PRODUCT DATA SHEET

**Product:** Anti-MVP/LRP mAb, clone 1014

**Cat. No.:** MC-895 (100 µg)

**Specificity:**

This antibody is specific for a 104 kDa Major Vault Protein (MVP), also described as the lung resistance protein (LRP), and has shown to interact with the estrogen receptor. The protein is part of a very large vault ribonucleoprotein complex present in all eukaryotic cells and its structure and protein composition is highly conserved. Because of the size, shape, and protein and RNA composition of this complex, the particles are different from other ribonucleoproteins. This antibody can be applied for the detection of MVP/LRP in a large number of eukaryotic cells including the MCF-7 and HeLa tumor cell lines. It is especially applicable to study the association of estrogen receptor with vaults and the study of the mechanism of action of estrogenic hormones.

**Immunogen:**

A BALB/c mouse was immunized with 5 µg of affinity-purified nuclear extract proteins. Spleen cells were fused with equal number of Sp0Ag-14 myeloma cells. Cells whose supernatant showed a positive signal for a 104 kDa band were selected and cloned by limited dilution.

**Ig Isotype:**

Mouse IgG<sub>1</sub>

**Species Reactivity:**

Human. Others not tested.

**Format:**

100 µg of purified monoclonal antibody.

**Storage:**

Store at 4°C short term, -20°C long term. Aliquot to avoid freeze/thaw cycles.

**Applications:**

- Immunohistochemistry: Frozen sections.
- Western blot

The optimal dilution for a specific application should be determined by the researcher.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.