



## PRODUCT DATA SHEET

**Product:** Anti-MVP / LRP, clone 1027

**Cat. No:** MC-242 (100 µg)

**Background:**

The mAb clone 1027 is specific for a 104 kDa protein. The antibody is one of four mAb which recognize different epitopes of the protein. This 104 kDa protein is the major vault protein (MVP) also described as the lung resistance protein (LRP) and has been 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, protein and RNA composition of this complex the particles are different from other ribonucleoproteins. The mAb is especially applicable for studying the association of estrogen receptor with vaults and the study of the mechanism of action of estrogenic hormones.

**Species Reactivity:**

Human, other species not tested.

**Ig Isotype:**

Mouse IgM

**Source:**

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.

**Format:**

100 µg purified, lyophilized.

**Storage and Stability:**

Stable for two months when stored at +4°C. For longer storage, aliquot and store at -20°C. Avoid repeat freeze / thaw cycles.

**Applications and Suggested Dilutions:**

Clone 1027 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.

- 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.