



## PRODUCT DATA SHEET

**Product:** Anti-MVP (Major Vault Protein), Clone 1011

**Cat. No:** MC-240 (100 µg)

**Specificity:**

The mAb 1011 is specific for a 104 kDa protein. This mAb is one of four mAb which recognize different epitopes of the protein. This 104 kDa protein is the major vault protein 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.

**Species Reactivity:**

Human, others not tested.

**Ig Isotype:** IgG1

**Immunogen:**

Recombinant human MVP

**Hybridoma:**

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:**

100µg purified antibody.

**Storage and Stability:**

Stable for up to 2 months when stored at 2-8°C and for up to 1 year at -20°C.

**Applications and Suggested Dilutions:**

The mAb 1011 can be applied for the detection of the major vault protein in a large number of eukaryotic cells including the MCF-7 and HeLa tumor cell lines. The mAb are especially applicable to study the association of estrogen receptor with vaults and the study of the mechanism of action of estrogenic hormones.

- Western blot
- Immunohistology (Frozen)

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.