

## MVP

### Mouse Anti-Human MVP Clone 1027 mAb

**Catalog No.** MON9045 **Quantity:** 100 µg

**Alternate Names:** LRP, VAULT1

**Description:** The mAb 1027 is specific for a 104-kD protein. This mAb is one of four mAb which recognize different epitopes of the protein. This 104-kD protein is the 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. 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-kD band were selected and cloned by limited dilution.

**Concentration:** 100 µg/ml

**Gene ID:** 9961

**Host:** Mouse

**Isotype:** IgM

**Clone:** 1027

**Formulation:** 100 µg purified material in PBS with 0.05% sodium azide. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

**Applications:** The mAb 1014 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. The mAb is especially applicable to study the association of estrogen receptor with vaults and the study of the mechanism of action of estrogenic hormones.

frozen sections	paraffin sections	flow cytometry	ELISA	blocking	immuno precipitation	Western blotting
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