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## 36-1990: Monoclonal Antibody to Major Vault Protein (MVP)(Clone: 1032)

Clonality: Monoclonal

Clone Name: 1032

Application: FACS,IF,IHC
Reactivity: Human
Gene: MVP
Gene ID: 9961
Uniprot ID: Q14764
Format: Purified

**Isotype:** Mouse IgG1, kappa

MVP,LRP

Immunogen Information: Proteins precipitated from human breast cancer MCF-7 cells

## **Description**

**Alternative Name:** 

Recognizes a protein of 104kDa-110kDa, characterized as major vault protein (MVP). Vaults are large ribonucleoprotein particles (RNPs) present in all eukaryotic cells. They have a complex morphology, including several small molecules of RNA, but a single protein species. The MVP accounts for >70% of their mass. Their shape is reminiscent of the nucleopore central plug. Treatment of cells with estradiol increases the amount of MVP in nuclear extract. The hormone-dependent interaction of vaults with ER is prevented in vitro by sodium molybdate. Antibodies to estrogen, progesterone and glucocorticoid receptors are able to co-immunoprecipitate the MVP. MVP is overexpressed in many neoplastic tissues and cell lines. Expression of MVP predicts a poor response to chemotherapy.

## **Product Info**

**Amount :** 100 μg

**Purification:** Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

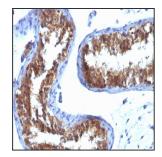
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 7.5-8.5, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

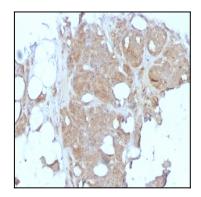


Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with MVP Monoclonal Antibody (1032).



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