

Mouse anti-Major Vault Protein, clone 1011 (Monoclonal)

Clone no. 1011

MONOSAN

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Product name	Mouse anti-Major Vault Protein, clone 1011 (Monoclonal)
Host	Mouse
Applications	IHC-fr, IF, IP, WB
Species reactivity	human
Conjugate	-
Immunogen	affinity purified nuclear extract proteins
Isotype	IgG1
Clonality	Monoclonal
Clone number	1011
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

1011 Is specific for the major vault protein, a 104-kDa highly conserved protein interacting with estrogen receptor. It is one of a series of four mAbs which recognize different epitopes of the protein. Major vault proteins 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.

**References**

1. Abbondanza, C. et al, J. Cell Biol. 141, 1301-1310 (1998)
2. Den Boer, M.L. et al. Blood 91, 2092-2098 (1998)
3. -
4. -
5. -

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