

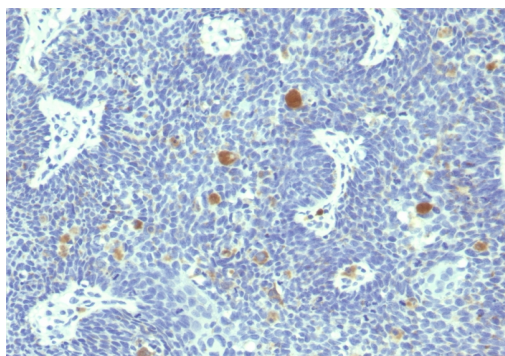
## HPV-18 (Human Papilloma Virus 18)

Mouse Monoclonal Antibody [Clone HPV18/1297]

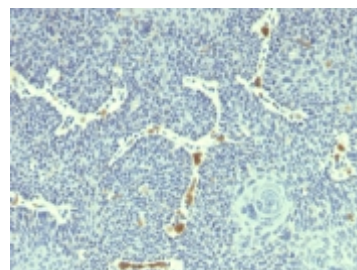
Catalog No	Format	Size	Price (USD)
MSM1-1297-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
MSM1-1297-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
MSM1-1297-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	Not Applicable
Human SwissProt	Not Applicable
Human Unigene	Not Applicable
Human Gene Symbol	Not Applicable
Human Chromosome Location	Not Applicable
Synonyms	E6; Human Papilloma Virus; HPV type 18 E6; Protein E6

Immunogen	HPV18 E6-&beta;-galactosidase fusion protein
Host / Ig Isotype	Mouse / IgG1, kappa
Mol. Weight of Antigen	16kDa
Cellular Localization	Nuclear
Species Reactivity	Type 18 of Human Papilloma Virus (HPV-18)
Positive Control	HPV-18 infected cells. Cervical tissue.



Formalin-fixed, paraffin-embedded human Cervix stained with HPV-18 Mouse Monoclonal Antibody (HPV18/1297).



### Specificity & Comments

Human papilloma viruses (HPVs) can be classified as either high risk or low risk according to their association with cancer. HPV16 and HPV18 are the most common of the high risk group while HPV6 and HPV11 are among the low risk types. Approximately 90% of cervical cancers contain HPV DNA of the high risk types. Mutational analysis has shown that the E6 and E7 genes of the high risk HPVs are necessary and sufficient for HPV transforming function. The specific interactions of the E6 and E7 proteins with p53 and pRB, respectively, correlate with HPV high and low risk classifications. The high risk HPV E7 proteins bind to pRB with a higher affinity than do the low risk HPV proteins, and only the high risk HPV E6 proteins form detectable complexes with p53 in vitro.

### Known Applications & Suggested Dilutions

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)  
Optimal dilution for a specific application should be determined.

### Key References

1. Reich, N.C., et al. 1983. Mol. Cell. Biol. 3: 2143-2150.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Limitations

This antibody is available for research use only and is not approved for use in diagnosis.

### Warranty

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.