HPV16 E1^E4 (Human Papilloma Virus 16) Antibody

Mouse Monoclonal Antibody [Clone HPV16 E1/E4]

Catalog No	Format	Size
MSM9-3066-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM9-3066-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM9-3066-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

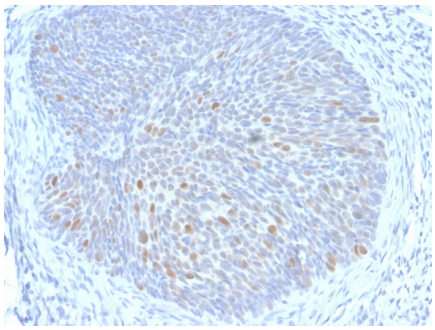
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

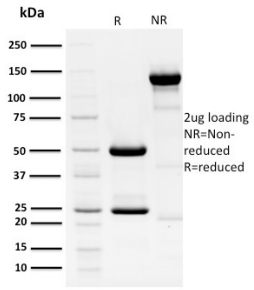
Clone	HPV16 E1/E4
Gene Name	E1^E4
Immunogen	Recombinant human HPV16 E1/E4 fragment (aa 36-41).
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	16kDa
Cellular Localization	Host cytoplasm, Host nucleus
Species Reactivity	HPV-16
Positive Control	HPV-16 E1^E4 infected cells. Cervical tissue.

**Optimal dilution for a specific application should be determined.*

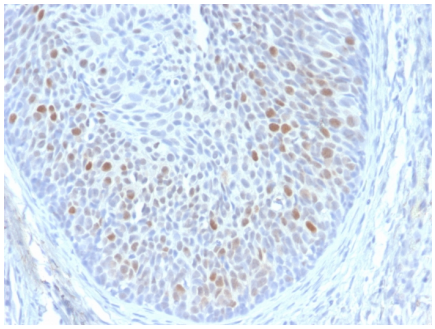
Product Images for HPV16 E1^E4 (Human Papilloma Virus 16) Antibody



Formalin-fixed, paraffin-embedded human Cervix stained with HPV-16 Mouse Monoclonal Antibody (HPV16 E1/E4).



SDS-PAGE Analysis of Purified HPV-16 Mouse Monoclonal Antibody (HPV16 E1/E4). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Cervix stained with HPV-16 Mouse Monoclonal Antibody (HPV16 E1/E4).

Specificity & Comments

The human papilloma virus (HPV) family of DNA tumor viruses includes HPV16, a "high-risk" sexually-transmitted HPV that can lead to cervical, anal, vulvar, head, neck, and penile cancer. The HPV16E1/E4 protein is expressed abundantly in cells supporting viral DNA amplification but is lost during malignant progression. HPV16E1/E4 causes G2 cell cycle arrest by associating with and preventing the nuclear entry of Cdk1/cyclin B1 complexes. HPV16E1/E4 also interacts with cyclin A and Cdk2 during the G2 phase of the cell cycle, and this association may increase the efficiency with which HPV16E1/E4 is able to prevent mitotic entry. HPV16E1/E4 also associates with keratin intermediate filaments and causes the network to collapse.

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.

Research Areas

Cancer, Infectious Disease, Ovarian Cancer

Limitations and Warranty

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