

## Mouse mAb to HPV11 E2 (clone 10E12)

Catalogue # A2-403-100

Immunogen: HPV-11 E2

Immunogen Recombinant full-length HPV-11 E2-protein

Description: purified from E. coli

Clonality: Mouse monoclonal

Clone: 10E12

Class: mlgG1

Reactivity: Reacts with HPV-11 native E2-protein. Mapped

to amino acids 202-284

Application: ELISA, WB, IF

Protocol: Monoclonal antibody working titer has to be

established practically for each particular antigen

and assay format

This antibody does not work in IP

ELISA: 0,05-0,1 μg/ml

IP: This antibody does not work in IP

Purification: Protein G purification

Buffer: PBS pH 7.4, with 0.1% sodium azide

Shipping: This product is shipped in non-frozen liquid form

in ambient conditions

Storage: Store at –20...-70°C upon receipt. Divide antibody

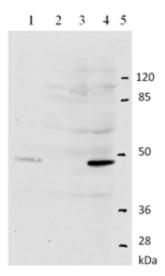
into aliquots prior usage. Avoid multiple freeze-

thaw cycles

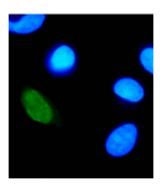
Background: Human papillomaviruses (HPV) are small DNA

viruses which infect epithelia of the skin and mucosa. Over 90 types have been identified and they mostly cause a variety of benign lesions such as warts and verrucae. However, some subtypes, notably types 16 and 18, 31 and 33, have been confirmed as agents which cause cervical cancer. Human Papillomavirus (HPV) E2

proteins are the major viral regulators of transcription and replication during the viral life cycle.



**Figure 1. Western-Blot analysis of HPV-11 E2 protein.** WB was carried out with 10E12 Mab using the lysates of U20S and Hela cells. Lines 1 and 4 are according cells transfected with plasmid expressing HPV-11 E2 protein, lines 2 and 3 Non-transfected U2OS and Hela cells. Line 5. Protein size marker



**Figure 2. IF analysis of HPV-11 E2 protein in U2OS cells.** IF was carried out with U2OS cells transfected with plasmid expressing HPV-11 E2 protein. All the nuclei were stained by DAPI. Green color represents nucleus-localized HPV-11 E2 detected by Mab 10E12. IF analysis of E2 protein show similar result also in HeLa cells