



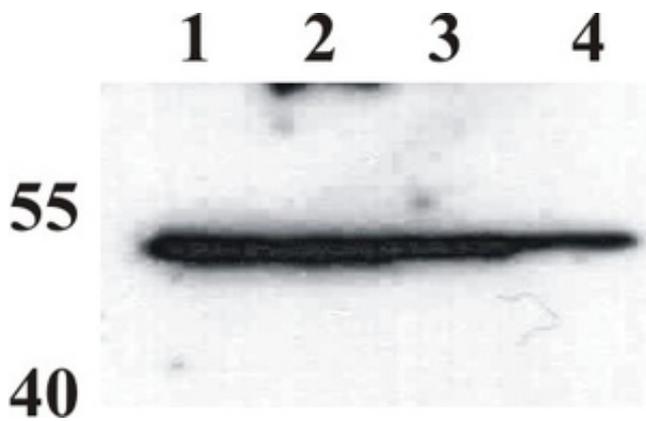
## Mouse mAb to BPV type 1 E2 protein (clone 1H10)

Catalogue #	A1-155-100
Immunogen:	BPV type 1 E2
Immunogen Description:	Recombinant full length BPV type 1 E2 protein purified from <i>E. coli</i>
Uniprot ID:	P03122
Clonality:	Mouse monoclonal
Clone:	1H10
Class:	IgG
Reactivity:	Bovine, BPV type 1 E2 protein, mapped to amino acids 208-218 (PPDGVWASEG)
Application:	ELISA, WB, IF
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format.
ELISA:	0,2-1 µg/ml
IF:	1 µg/ml
Purification:	Protein A purification
Buffer:	PBS with 50% glycerol
Related Products:	9 different monoclonal antibodies to BPV type 1 E2 protein. For more information and ordering see full list: <a href="http://www.icosagen.com/products/?antibodies">www.icosagen.com/products/?antibodies</a>
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at – 20 or -70 °C upon receipt. Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles as product degradation may result.
Background:	E2 protein plays a central role in the viral life cycle as it regulates both transcription and

replication of the viral genome. Can either activate or repress transcription. The E1-E2 protein complex binds to the origin of DNA replication activating replication of the BPV

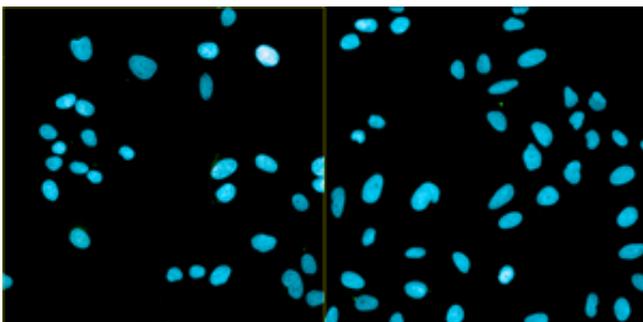
## References

- Kurg R, Parik J, Juronen E, Sedman T, Abroi A, Liiv I, Langel Ü, and Ustav M.** 1999. Effect of bovine papillomavirus E2 protein-specific monoclonal antibodies on papillomavirus DNA replication, *J Virol.* 73: 4670-77.
- Kurg R, Tekkel H, Abroi A, and Ustav M.** 2006. Characterization of the functional activities of the bovine papillomavirus type 1 E2 protein single-chain heterodimers, *J Virol.* 80(22): 11218-25

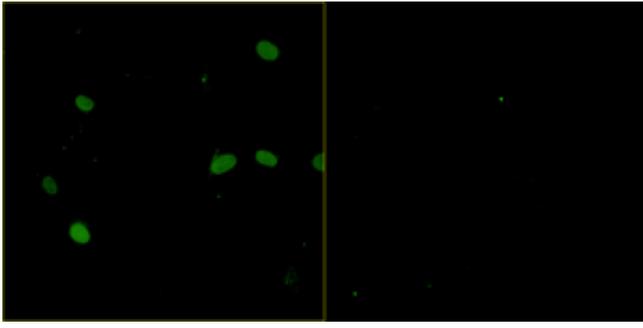


**Figure 1. Western Blot testing of anti-BPV E2 monoclonal antibody (1E2).** Testing recombinant purified BPV E2 protein. Different amounts of purified recombinant BPV E2 protein were loaded. Lane 1. 10 ng; Lane 2. 5 ng; Lane 3. 1 ng; Lane 4. 0.5 ng

**A.**



**B.**



**Figure 2. Immunofluorescence testing of anti-BPV E2 monoclonal antibody (1H10).** Assay was carried out with U2OS cells expressing BPV E2 protein. Antibody concentration of 1  $\mu\text{g/ml}$  was used. Nuclei were stained by DAPI. Fluorescence was measured at (A) 460 nm and 488 nm wavelengths or (B) 488 nm only.