Product datasheet for AM26103PU-N

BPV-1 Protein E2 (250-280) Mouse Monoclonal Antibody [Clone ID: 1E4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1E4
Applications:	IF, WB
Recommended Dilution:	Western blot (1/1000 – 1/3000): Dilute to a concentration of 1.0-0.3 µg/ml in a diluent containing 2% nonfat dry milk in TBST (Tris-Buffered Saline, Tween-20). Incubate the membrane with diluted the antibody for 1 hour at room temperature with gentle orbital shaking.
	Immunofluorescence (1/1000): Dilute antibody to a concentration of 1-2 µg/ml in a diluent containing 1% BSA in PBS. Incubate with diluted antibody for 1 hour at room temperature.
Reactivity:	Bovine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody detects Bovine Papillomavirus E2-protein, mapped to amino acids 250-280.
Formulation:	PBS with 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20 to -70 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Database Link:	P03122

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Background: The bovine papilloma virus E2 protein is the master regulator of papillomavirus replication and transcription. Binds to the E2RE response element (5'-ACCNNNNNNGGT-3') present in multiple copies in the regulatory region. Can either activate or repress transcription depending on E2RE's position with regards to proximal promoter elements. Repression occurs by sterically hindering the assembly of the transcription initiation complex. The E1-E2 complex binds to the origin of DNA replication.

Synonyms: BPV1 Regulatory protein E2