

Datasheet: MCA2819

BATCH NUMBER 154323

Description:	MOUSE ANTI HUMAN PAPILOMAVIRUS 16 ONCOPROTEIN E7
Specificity:	PAPILOMAVIRUS 16 ONCOPROTEIN E7
Other names:	HPV
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	716-F10
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium azide

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Oncoprotein E7 from human papillomavirus 16,
External Database Links	<p>UniProt: P03129 Related reagents</p> <p>Entrez Gene: 1489079 E7 Related reagents</p>
RRID	AB_1102613
Specificity	<p>Mouse anti Human Papillomavirus 16 Oncoprotein E7 antibody, clone 716-F10 recognizes both the monomer and dimer forms of the E7 oncoprotein of human papilloma virus 16. Human papillomavirus (HPV) is a diverse group of DNA-based viruses that infect skin and mucous membranes of humans and animals. Some HPV types are the causative agents of cervical cancer, with types 16 and 18 being particularly high-risk. The viral proteins E6 and E7 disrupts normal cell cycle regulation by interacting with p53 (a tumor-suppressing transcription factor) and Rb (retinoblastoma protein, also a tumor-suppressor). E7 particularly binds to Rb and histone deacetylases, resulting in activation of the E2F genes, which code for a family of transcription factors. The viral proteins E6 and E7 might be of particular interest in the development of therapeutic vaccines, since they are expressed early in viral infection.</p> <p>Mouse anti Human Papillomavirus 16 Oncoprotein E7 antibody, clone 716-F10 does not cross-react with E7 protein of HPV-18.</p>
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2819 10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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