Datasheet: MCA2818

Description: MOUSE ANTI HUMAN PAPILLOMAVIRUS 16 ONCOPROTEIN E7

Specificity: PAPILLOMAVIRUS 16 ONCOPROTEIN E7

Other names: HPV

Format: Purified

Product Type: Monoclonal Antibody

Clone: 716-D1

Isotype: IgG2a

Quantity: 0.2 mg

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.

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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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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.
### Specificity

**Mouse anti Human Papillomavirus 16 Oncoprotein E7 antibody, clone 716-D1** 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.

Mouse anti Human Papillomavirus 16 Oncoprotein E7 antibody, clone 716-D1 cross-reacts with both the monomer and dimer forms of the E7 protein of HPV-18.

### Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

### Guarantee

18 months from date of despatch.

### Health And Safety Information


### Regulatory

For research purposes only

### Recommended Secondary Antibodies

- **Goat Anti Mouse IgG IgA IgM (STAR87...)** [Alk. Phos., HRP](#)
- **Goat Anti Mouse IgG (STAR77...)** [HRP](#)
- **Rabbit Anti Mouse IgG (STAR12...)** [RPE](#)
- **Rabbit Anti Mouse IgG (STAR8...)** [DyLight®800](#)
- **Rabbit Anti Mouse IgG (STAR13...)** [HRP](#)
- **Goat Anti Mouse IgG (STAR76...)** [RPE](#)
- **Goat Anti Mouse IgG (STAR70...)** [FITC](#)
- **Goat Anti Mouse IgG (Fc) (STAR120...)** [FITC, HRP](#)
- **Rabbit Anti Mouse IgG (STAR9...)** [FITC](#)
- **Human Anti Mouse IgG2a (HCA037...)** [FITC, HRP](#)
- **Goat Anti Mouse IgG (H/L) (STAR117...)** [Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP](#)