## Product Details

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_1102614</th>
</tr>
</thead>
</table>

### Applications

<table>
<thead>
<tr>
<th>Technique</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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.

Shelf Life
18 months from date of despatch.

Health And Safety
Material Safety Datasheet documentation #10040 available at:

Regulatory
For research purposes only

Related Products

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@549,
DyLight@649, DyLight@680, DyLight@800,
FITC, HRP

'M340733:190109'