Datasheet: MCA489

Product Details

Description: MOUSE ANTI ADENOVIRUS
Specificity: ADENOVIRUS
Format: Purified
Product Type: Monoclonal Antibody
Clone: B025 (AD51)
Isotype: IgG2a
Quantity: 1 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.

<table>
<thead>
<tr>
<th>Application</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 (1)</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>Immunoprecipitation</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 antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.

Target Species: Viral

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Adenovirus type 3 (ATCC strain VR847).

RRID: AB_321166
Spleen cells from immunised BALB/c mice were fused with cells of the JK.Ag8.653 mouse myeloma cell line.

**Specificity**

Mouse anti adenovirus antibody, clone B025 (AD51) recognizes all human adenoviruses serotypes.

The most common infections caused by adenovirus are respiratory tract infections but some infections may also lead to conjunctivitis, skin-rash, diarrhea and bladder infections. Infant and children are most commonly affected by adenoviruses.

Adenoviruses are icosahedral non-enveloped linear double-stranded DNA viruses. There are at least 51 serotypes, which are categorized into 6 species (A-F) based on molecular criteria. The virus capsid is composed of three different proteins: 12 fiber attachment proteins associated with 12 penton base proteins and 240 hexon proteins, which form the main capsid component (Ebner et al. 2005). Mouse anti adenovirus antibody, clone B025 (AD51) reacts with the adenovirus specific hexon polypeptide.

Due to their infectivity to both quiescent and proliferating cells, adenoviruses have also been used as vectors in vaccination and in gene therapy (Thomas et al. 2002 and Abad et al. 2002).

**Purity**

>90% IgG content by SDS page

**References**

2. Thomas, C.E. et al. (2002) Adenovirus binding to the coxsackievirus and adenovirus receptor or integrins is not required to elicit brain inflammation but is necessary to transduce specific neural cell types. J Virol. 76: 3452-60.

**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. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

18 months from date of despatch.
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