

# Anti-Adenovirus antibody [B025 / AD51] $\alpha$ b7428

## 8 References

### Overview

<b>Product name</b>	Anti-Adenovirus antibody [B025 / AD51]
<b>Description</b>	Mouse monoclonal [B025 / AD51] to Adenovirus
<b>Host species</b>	Mouse
<b>Specificity</b>	This antibody recognises all Adenovirus serotypes; binding to the hexon polypeptide. No cross-reactions are known.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, ELISA, IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Adenovirus
<b>Immunogen</b>	Tissue, cells or virus corresponding to Adenovirus Adenovirus. Adenovirus type 3 (ATCC strain VR847)
<b>General notes</b>	<p>With recent studies indicating that viral agents may be implicated in new emerging diseases reported around the world, interest in viruses has increased and encompassed many different viral genera. The adenoviruses are represented by several different groups yet there are only few monoclonal antibodies that are commercially available that recognise all known serotypes.</p> <p>Adenoviruses are DNA viruses generally widespread in nature that are frequently the cause of acute upper respiratory tract infections (i.e. common colds). Forty-seven known serotypes have been isolated since they were first discovered in 1953 with 3 types known to cause gastroenteritis. Several types have oncogenic potential though most cause self-limiting febrile illnesses characterised by inflammation of conjunctivae and the respiratory tract. The virus can be isolated from the majority of tonsils/adenoids surgically removed, indicating latent infections. It is not known how long the virus can persist in the body, or whether it is capable of reactivation after long periods. In patients experiencing immunosuppression (e.g. AIDS) it can be reactivated causing disease.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Primary antibody notes</b>	Adenoviruses are DNA viruses generally widespread in nature that are frequently the cause of acute upper respiratory tract infections (i.e. common colds). Forty-seven known serotypes have been isolated since they were first discovered in 1953 with 3 types known to cause gastroenteritis. Several types have oncogenic potential though most cause self-limiting febrile illnesses characterised by inflammation of conjunctivae and the respiratory tract. The virus can be isolated from the majority of tonsils/adenoids surgically removed, indicating latent infections. It is not known how long the virus can persist in the body, or whether it is capable of reactivation after long periods. In patients experiencing immunosuppression (e.g. AIDS) it can be reactivated causing disease.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B025 / AD51
<b>Myeloma</b>	JK.Ag8.653
<b>Isotype</b>	IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab7428 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000. This product requires protein digestion pre-treatment of paraffin sections (e.g. trypsin or pronase) for 15 min prior to primary incubation
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

## Target

**Relevance** Adenoviruses are DNA viruses generally widespread in nature that are frequently the cause of acute upper respiratory tract infections (i.e. common colds). Forty-seven known serotypes have been isolated since they were first discovered in 1953 with 3 types known to cause gastroenteritis. Several types have oncogenic potential though most cause self-limiting febrile illnesses characterised by inflammation of conjunctivae and the respiratory tract. The virus can be isolated from the majority of tonsils/adenoids surgically removed, indicating latent infections. It is not known how long the virus can persist in the body, or whether it is capable of reactivation after

long periods. In patients experiencing immunosuppression (e.g. AIDS) it can be reactivated causing disease.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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