

## Datasheet: 0151-9004

<b>Description:</b>	GOAT ANTI ADENOVIRUS
<b>Specificity:</b>	ADENOVIRUS
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
ELISA	▪			
Western Blotting	▪			1/100
Immunofluorescence	▪			

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 the appropriate negative/positive controls.

<b>Target Species</b>	Viral
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Gradient purified, disrupted native adenovirus type 5 virions.
<b>RRID</b>	AB_618798
<b>Specificity</b>	<b>Goat anti Adenovirus antibody</b> recognizes numerous Adeno proteins including hexon

protein, and reacts with Adenovirus types 1, 2, 3, 5, 6, 7a, 8, 31, 40 & 41. Broad reactivity with other Adenovirus types is expected.

Goat anti Adenovirus antibody does not cross-react with Parainfluenza types 1-3, Influenza A & B, RSV, hMPV and Rhinovirus type 16. Goat anti Adenovirus antibody does not react with uninfected Hep-2, LLCMK2 and Vero cells.

Adenoviruses are 80-110 nm diameter, non-enveloped icosahedral viruses that can cause respiratory illness, infantile gastroenteritis and other mild disorders such as conjunctivitis. Features of Adenovirus have made it a useful tool for gene transfection and expression in mammalian cells.

---

#### References

1. Mallery, D.L. *et al.* (2010) Antibodies mediate intracellular immunity through tripartite motif-containing 21 (TRIM21). [Proc Natl Acad Sci U S A. 107 \(46\): 19985-90.](#)
2. Chappell, C.L. *et al.* (2017) Adenovirus 36 antibody detection: Improving the standard serum neutralization assay. [J Virol Methods. 239: 69-74.](#)
3. Gularte, S.J. *et al.* (2021) Functionalized Surfaces as a Tool for Virus Sensing: A Demonstration of Human mastadenovirus Detection in Environmental Waters [Chemosensors. 9 \(2\): 19.](#)
4. Maekawa, S. *et al.* (2022) BMP Gene-Immobilization to Dental Implants Enhances Bone Regeneration. [Adv Mater Interfaces. 9 \(22\): 2200531.](#)

---

#### Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

---

#### Guarantee

12 months from date of despatch

---

#### Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/0151-9004>  
10040

---

#### Regulatory

For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**North & South America** Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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

'M427853:240301'

