

Datasheet: 0151-9004

BATCH NUMBER 164620

Description:	GOAT ANTI ADENOVIRUS
Specificity:	ADENOVIRUS
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Viral
Product Form	Purified IgG - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Gradient purified, disrupted native adenovirus type 5 virions.
RRID	AB_618798

Specificity

Goat anti Adenovirus antibody 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](#)

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