

Datasheet: 8129-9804

BATCH NUMBER 164699

Description:	GOAT ANTI ROTAVIRUS
Specificity:	ROTAVIRUS
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			▪	
Immunohistology - Paraffin			▪	
Western Blotting			▪	
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	Ig fraction - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Nebraska calf diarrhea virus.
RRID	AB_618846

Specificity

Goat anti Rotavirus antibody reacts with rotavirus and is specific for ICPs and late structural (virion) antigens. It has been reported to exhibit 90% cross reactivity with human rotavirus and does not react with HEp-2 cells or WI-38 cells in immunofluorescence.

Rotavirus is a virus that infects the bowels and is the most common cause of gastroenteritis in infants. 7 major groups have currently been identified, 3 of which infect humans (groups A, B and C). The rotavirus genome consists of 11 segments of double stranded RNA held in the inner core of the three layered, icosahedral virion particle. The genome codes for 6 virus proteins (VP1,2,3,4,6,7) and 6 non-structural proteins (NSP1-6). Outer capsid proteins are VP4 and VP7, inner capsid -VP6 and core -VP2. The immunity acquired from exposure to rotavirus appears to be type specific following initial infection; therefore, multiple serotypes of rotavirus mean multiple opportunities for infection.

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/8129-9804>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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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)

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