

Datasheet: 8129-9804

**BATCH NUMBER 147167**

<b>Description:</b>	GOAT ANTI ROTAVIRUS
<b>Specificity:</b>	ROTAVIRUS
<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			▪	
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.

<b>Target Species</b>	Viral
<b>Product Form</b>	Ig fraction - 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>	4.0 mg/ml
<b>Immunogen</b>	Nebraska calf diarrhea virus.
<b>RRID</b>	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.

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/8129-9804>  
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**Regulatory**

For research purposes only

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## 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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