

## Datasheet: MCA2634

<b>Description:</b>	MOUSE ANTI ROTAVIRUS
<b>Specificity:</b>	ROTAVIRUS
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	0531
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_844559

**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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/20 - 1/200
Immunoprecipitation			■	
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 appropriate negative/positive controls.

**Target Species** Viral

**Product Form** Purified IgG - liquid

**Preparation** Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.1% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 0.1mg/ml

**Specificity** **Mouse anti rotavirus antibody, clone 0531** reacts with intact rotavirus strains RRV, Wa and bovine, and specifically stains an epitope within the intermediate capsid protein VP6. Also known as the group antigen, it is the most immunogenic of the capsid proteins.

Rotavirus is a member of the Reoviridae family, and is the leading cause of severe gastroenteritis in children worldwide. Seven major groups have been identified, of which three (groups A, B, and C) infect humans. Group A is the most common and widespread.

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<b>References</b>	1. Sun, T. <i>et al.</i> (2016) Hematopoietic LT $\beta$ R deficiency results in skewed T cell cytokine profiles during a mucosal viral infection. <a href="#">J Leukoc Biol. 100 (1): 103-10.</a>
<b>Further Reading</b>	1. O'Ryan, M. & Matson, D.O. (2006) New rotavirus vaccines: renewed optimism. <a href="#">J Pediatr. 149 (4): 448-51.</a> 2. Parashar, U.D. <i>et al.</i> (2006) Rotavirus and severe childhood diarrhea. <a href="#">Emerg Infect Dis. 12 (2): 304-6.</a>
<b>Storage</b>	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.
<b>Guarantee</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Human Anti Mouse IgG2b (HCA038...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>

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