

## Datasheet: STAR71D549GA

<b>Description:</b>	GOAT ANTI RAT IgG:DyLight®549 (MOUSE ADSORBED)
<b>Specificity:</b>	IgG (MOUSE ADSORBED)
<b>Format:</b>	DyLight®549
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry	▪			1/50 - 1/400
Immunofluorescence	▪			1/50 - 1/400

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Rat		
<b>Product Form</b>	Purified IgG conjugated to DyLight®549 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	DyLight®549	562	576

**Antiserum Preparation** Antisera to rat IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG prepared by affinity chromatography

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>Immunogen</b>	Rat IgG

### External Database Links

<b>UniProt:</b>	
<a href="#">P20759</a>	<a href="#">Related reagents</a>
<a href="#">P20762</a>	<a href="#">Related reagents</a>
<a href="#">P20761</a>	<a href="#">Related reagents</a>

**Entrez Gene:**

- [299354](#) Ighg   [Related reagents](#)
- [362795](#) LOC362795   [Related reagents](#)
- [679045](#) LOC679045   [Related reagents](#)

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**Specificity**      **Goat anti Rat IgG (Mouse Adsorbed) antibody** recognizes rat IgG. Cross-reactivity with mouse IgG has been minimised by adsorption.

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**Flow Cytometry**      Use 50ul of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul.

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- References**
1. Yang, X. *et al.* (2010) The role of the JAK2-STAT3 pathway in pro-inflammatory responses of EMF-stimulated N9 microglial cells. [J Neuroinflammation. 7: 54.](#)
  2. Tamayo, J. *et al.* (2001) Chemical sensors and biosensors in liquid environment based on microcantilevers with amplified quality factor. [Ultramicroscopy. 86: 167-73.](#)
  3. Pérez-Bosque A *et al.* (2004) Dietary plasma protein affects the immune response of weaned rats challenged with *S. aureus* Superantigen B. [J Nutr. 134: 2667-72.](#)
  4. Balan, P. *et al.* (2010) Immunomodulatory effects of ovine serum immunoglobulin in the growing rat. [Animal. 4: 1702-8.](#)

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**Storage**      Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. 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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**Shelf Life**      18 months from date of despatch.

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**Acknowledgements**      DyLight<sup>®</sup> is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

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**Health And Safety Information**      Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**      For research purposes only

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<b>North &amp; South America</b> Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b> Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b> Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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