

# Datasheet: STAR71D550

**BATCH NUMBER 160027**

<b>Description:</b>	GOAT ANTI RAT IgG:DyLight®550 (MOUSE ADSORBED)
<b>Specificity:</b>	IgG (MOUSE ADSORBED)
<b>Format:</b>	DyLight®550
<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
Western Blotting	▪			1/5000 - 1/25,000
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®550 - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	Dylight®550	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

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations** IgG concentration 1.0 mg/ml

Immunogen	Rat IgG.
External Database Links	<p><b>UniProt:</b></p> <p><a href="#">P20759</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20762</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20761</a>      <a href="#">Related reagents</a></p> <p><a href="#">P20760</a>      <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b></p> <p><a href="#">299354</a>    Ighg      <a href="#">Related reagents</a></p> <p><a href="#">362795</a>    LOC362795    <a href="#">Related reagents</a></p> <p><a href="#">679045</a>    LOC679045    <a href="#">Related reagents</a></p>
Specificity	<b>Goat anti Rat IgG (Mouse Adsorbed) antibody</b> recognizes rat IgG. Cross-reactivity with mouse IgG has been minimised by adsorption.
Flow Cytometry	Use 50ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
References	<ol style="list-style-type: none"> <li>1. Yang, X. <i>et al.</i> (2010) The role of the JAK2-STAT3 pathway in pro-inflammatory responses of EMF-stimulated N9 microglial cells. <a href="#">J Neuroinflammation. 7: 54.</a></li> <li>2. Tamayo, J. <i>et al.</i> (2001) Chemical sensors and biosensors in liquid environment based on microcantilevers with amplified quality factor. <a href="#">Ultramicroscopy. 86: 167-73.</a></li> <li>3. Pérez-Bosque A <i>et al.</i> (2004) Dietary plasma protein affects the immune response of weaned rats challenged with <i>S. aureus</i> Superantigen B. <a href="#">J Nutr. 134: 2667-72.</a></li> <li>4. Balan, P. <i>et al.</i> (2010) Immunomodulatory effects of ovine serum immunoglobulin in the growing rat. <a href="#">Animal. 4: 1702-8.</a></li> <li>5. Tulinská, J. <i>et al.</i> (2018) Humoral and cellular immune response in Wistar Han RCC rats fed two genetically modified maize MON810 varieties for 90 days (EU 7th Framework Programme project GRACE). <a href="#">Arch Toxicol. 92 (7): 2385-99.</a></li> </ol>
Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Acknowledgements	DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR71D550">https://www.bio-rad-antibodies.com/SDS/STAR71D550</a> 10040
Regulatory	For research purposes only

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batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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