Datasheet: STAR71D650

BATCH NUMBER 171658

Description:	GOAT ANTI RAT IgG:DyLight®650 (MOUSE ADSORBED)
Specificity:	IgG (MOUSE ADSORBED)
Format:	DyLight®650
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/100 - 1/500
Immunofluorescence	▪			1/100 - 1/500

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

Rat

Product Form

Purified IgG conjugated to DyLight®650 - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
Dylight®650	654	673

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_3)

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen	Rat IgG.
External Database Links	**UniProt:** P20759 Related reagents P20762 Related reagents P20761 Related reagents P20760 Related reagents **Entrez Gene:** 299354 Ighg Related reagents 362795 LOC362795 Related reagents 679045 LOC679045 Related reagents
Specificity	**Goat anti Rat IgG (mouse adsorbed) antibody** recognizes rat IgG. Cross-reactivity with mouse IgG has been minimized by adsorption.
Flow Cytometry	Use 50ul of the suggested working dilution to label 1x10^6 cells in 100ul.
References	1. Tamayo, J. *et al.* (2001) Chemical sensors and biosensors in liquid environment based on microcantilevers with amplified quality factor. Ultramicroscopy. 86: 167-73. 2. 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. 3. Balan, P. *et al.* (2010) Immunomodulatory effects of ovine serum immunoglobulin in the growing rat. Animal. 4: 1702-8. 4. 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. 5. Tulinská, J. *et al.* (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). Arch Toxicol. 92 (7): 2385-99.
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
Acknowledgements	DyLight® is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/STAR71D650
Regulatory	For research purposes only

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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