

Datasheet: STAR17B

BATCH NUMBER 164359

Description:	RABBIT F(ab') ₂ ANTI RAT IgG:FITC
Specificity:	IgG
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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	▪			1/200 - 1/400
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Rat

Product Form

F(ab')₂ fragment of IgG conjugated to Fluorescein Isothiocyanate Isomer I (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Antiserum Preparation

Antisera to rat IgG were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. F(ab')₂ fragments were prepared by pepsin digestion of the IgG followed by a gel filtration step to remove the remaining intact IgG or Fc fragments.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

External Database Links

UniProt:

[P20759](#) [Related reagents](#)
[P20761](#) [Related reagents](#)
[P20762](#) [Related reagents](#)
[P20760](#) [Related reagents](#)

Entrez Gene:

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

RRID

AB_321939

Specificity

Rabbit F(ab')₂ anti Rat IgG antibody recognizes Rat IgG.

Flow Cytometry

Use 50ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

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4. Thien, R. *et al.* (2005) Interactions of 1 alpha,25-dihydroxyvitamin D3 with IL-12 and IL-4 on cytokine expression of human T lymphocytes. [J Allergy Clin Immunol. 116 \(3\): 683-9.](#)
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6. Agrícola R *et al.* (2008) Blood lymphocyte subpopulations, neutrophil phagocytosis and proteinogram during late pregnancy and postpartum in mares. [Reprod Domest Anim. 43 \(2\): 212-7.](#)
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10. Van de Velde, H. *et al.* (2012) Short-term increase of body weight triggers immunological variables in dogs. [Vet Immunol Immunopathol. 145 \(1-2\): 431-7.](#)
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effective in treatment of experimental autoimmune glomerulonephritis. [Nephrol Dial Transplant. 27 \(4\): 1343-50.](#)

12. Uner, A. G. *et al.* (2013) Blood Levels of Selected Metabolic Factors, Cytokines, and Lymphocyte Subpopulations in Arabian and Thoroughbred Horses During the Longest and Shortest Days of the Year [J of Equine Vet Sci. 33 \(11\): 969-976.](#)

13. Cian, F. *et al.* (2014) Stability of immunophenotypic lymphoid markers in fixed canine peripheral blood for flow cytometric analysis. [Vet Clin Pathol. 43 \(1\): 101-8.](#)

14. Liu, W. *et al.* (2015) Evaluation of Stem Cell Marker Expression in Canine B-Cell Lymphoma Cell Lines, B-Cell Lymphoma-generated Spheres and Primary Samples. [Anticancer Res. 35 \(5\): 2805-16.](#)

15. Liu, W. *et al.* (2020) Establishment and characterization of stable red, far-red (fR) and near infra-red (NIR) transfected canine prostate cancer cell lines. [Cancer Cell Int. 20: 139.](#)

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. This product is photosensitive and should be protected from light.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/STAR17B>
10040

Regulatory

For research purposes only

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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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