

Datasheet: STAR17B

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](#)

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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3. Tiwari, S. (2011) Divalent cations regulate the folding and activation status of integrins during their intracellular trafficking. [J Cell Sci. 124: 1672-80.](#)
4. Reynolds, J. *et al.* (2012) Stimulation of the PD-1/PDL-1 T-cell co-inhibitory pathway is effective in treatment of experimental autoimmune glomerulonephritis. [Nephrol Dial Transplant. 27 \(4\): 1343-50.](#)
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7. Willheim, M. *et al.* (1999) Regulatory effects of 1α,25-dihydroxyvitamin D3 on the cytokine production of human peripheral blood lymphocytes. [J Clin Endocrinol Metab. 84 \(10\): 3739-44.](#)
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11. 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.](#)
12. Platt, R. *et al.* (2010) Cell-mediated immunity evaluation in foals infected with virulent equine herpesvirus-1 by multi-parameter flow cytometry. [Vet Immunol Immunopathol. 135 \(3-4\): 275-81.](#)
13. 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.](#)
14. 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.](#)

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.

Shelf Life 18 months from date of despatch.

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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