

## Datasheet: STAR97PE

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI HUMAN IgG:RPE
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	RPE
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

### 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	▪			Neat - 1/10

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.

<b>Target Species</b>	Human						
<b>Product Form</b>	F(ab') <sub>2</sub> fragment of IgG conjugated to R. Phycoerythrin (RPE) - lyophilised						
<b>Reconstitution</b>	Reconstitute with 1 ml distilled water						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
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RPE 488nm laser	496	578					

**Antiserum Preparation** Antisera to human IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography. F(ab')<sub>2</sub> fragments were prepared by pepsin digestion.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Stabilisers</b>	1% Bovine Serum Albumin
	5% Sucrose

Immunogen Human IgG.

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**External Database**

**Links**

**UniProt:**

[P01857](#) [Related reagents](#)  
[P01834](#) [Related reagents](#)  
[P01860](#) [Related reagents](#)  
[P01859](#) [Related reagents](#)  
[P01861](#) [Related reagents](#)  
[P0CG04](#) [Related reagents](#)

**Entrez Gene:**

[3500](#) IGHG1 [Related reagents](#)  
[3514](#) IGKC [Related reagents](#)  
[3501](#) IGHG2 [Related reagents](#)  
[3502](#) IGHG3 [Related reagents](#)  
[3503](#) IGHG4 [Related reagents](#)  
[28815](#) IGLV2-14 [Related reagents](#)

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**RRID** AB\_322978

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**Specificity**

**Goat F(ab')<sub>2</sub> anti Human IgG antibody** recognizes human IgG and demonstrates <1% cross-reactivity with other human immunoglobulin classes or subclasses.

Goat F(ab')<sub>2</sub> anti Human IgG antibody does not cross-react with Goat IgG F(c) or mouse, rat, bovine and horse serum proteins, as determined by immunoelectrophoresis.

Goat F(ab')<sub>2</sub> anti Human IgG antibody has been used for the detection of the antibody response to an endogenous retrovirus GAG matrix in patients with rheumatoid arthritis by ELISA ([Nelson \*et al.\* 2014](#)).

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**Flow Cytometry**

Use 50ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul.

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**References**

1. Nelson, P.N. *et al.* (2014) Rheumatoid Arthritis is Associated with IgG Antibodies to Human Endogenous Retrovirus Gag Matrix: A Potential Pathogenic Mechanism of Disease? [J Rheumatol. 41: 1952-60.](#)
  2. Trela, M. *et al.* (2019) Citrullination facilitates cross-reactivity of rheumatoid factor with non-IgG1 Fc epitopes in rheumatoid arthritis. [Sci Rep. 9 \(1\): 12068.](#)
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**Storage**

Store at +4°C.

DO NOT FREEZE

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #20487 available at:  
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

**North & South** Tel: +1 800 265 7376

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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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