

## Datasheet: STAR97F

**BATCH NUMBER 167486**

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI HUMAN IgG:FITC
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.7 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 - 1/100
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.

<b>Target Species</b>	Human		
<b>Product Form</b>	F(ab') <sub>2</sub> fragment of IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525

**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
<b>Approx. Protein</b>	IgG concentration 0.7 mg/ml

## Concentrations

---

**Immunogen** Human IgG.

---

## 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](#)

---

**RRID** AB\_322977

---

## 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](#)).

---

## Flow Cytometry

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

---

## 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.](#)
- 

## 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.

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/STAR97F">https://www.bio-rad-antibodies.com/SDS/STAR97F</a> 10041
--------------------------------------	--

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

## Related Products

### Recommended Useful Reagents

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

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

To find a 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)  
'M421369:230706'

**Printed on 01 Mar 2024**