

## Datasheet: STAR97

**BATCH NUMBER 156721**

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI HUMAN IgG
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.8 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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Product Form** F(ab')<sub>2</sub> fragments of purified IgG - liquid

**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.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** 0.09% Sodium Azide

**Approx. Protein Concentrations** F(ab')<sub>2</sub> concentration 0.8 mg/ml

**Immunogen** Human IgG.

**External Database  
Links**

**UniProt:**

<a href="#">P01857</a>	<a href="#">Related reagents</a>
<a href="#">P01834</a>	<a href="#">Related reagents</a>
<a href="#">P01860</a>	<a href="#">Related reagents</a>
<a href="#">P01859</a>	<a href="#">Related reagents</a>
<a href="#">P01861</a>	<a href="#">Related reagents</a>
<a href="#">P0CG04</a>	<a href="#">Related reagents</a>

**Entrez Gene:**

<a href="#">3500</a>	IGHG1	<a href="#">Related reagents</a>
<a href="#">3514</a>	IGKC	<a href="#">Related reagents</a>
<a href="#">3501</a>	IGHG2	<a href="#">Related reagents</a>
<a href="#">3502</a>	IGHG3	<a href="#">Related reagents</a>
<a href="#">3503</a>	IGHG4	<a href="#">Related reagents</a>
<a href="#">28815</a>	IGLV2-14	<a href="#">Related reagents</a>

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**RRID** AB\_322976

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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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**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 or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/STAR97>

10040

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

**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://bio-rad-antibodies.com/datasheets)

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