

## Datasheet: STAR97P

<b>Description:</b>	GOAT F(ab') <sub>2</sub> ANTI HUMAN IgG:HRP
<b>Specificity:</b>	IgG (H/L)
<b>Format:</b>	HRP
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.6 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	▪			1/2000

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> fragments of purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Antiserum Preparation</b>	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>	0.01% Thiomersal
<b>Stabilisers</b>	HRP Stabiliser ( <a href="#">BUF052A</a> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.6 mg/ml
<b>Immunogen</b>	Human IgG
<b>External Database Links</b>	<b>UniProt:</b> <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>

[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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**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.](#)

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**Storage**

Store at +4°C. DO NOT FREEZE.

This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety Information**

Material Safety Datasheet documentation #10131 available at:  
10131: <https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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