

Datasheet: STAR106P

BATCH NUMBER 155991

Description:	GOAT ANTI HUMAN IgG GAMMA CHAIN:HRP
Specificity:	IgG GAMMA CHAIN
Format:	HRP
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			1/3000

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

Human

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - 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.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.01% Thiomersal

Approx. Protein Concentrations

IgG concentration 0.8 mg/ml

Immunogen

Human IgG.

**External Database
Links**

UniProt:

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

Entrez Gene:

[3500](#) IGHG1 [Related reagents](#)
[3501](#) IGHG2 [Related reagents](#)
[3502](#) IGHG3 [Related reagents](#)
[3503](#) IGHG4 [Related reagents](#)

RRID AB_323001

Specificity **Goat anti Human IgG gamma chain antibody** recognizes human IgG and demonstrates <1% cross-reactivity with other human immunoglobulin classes or subclasses. Goat anti Human IgG gamma Chain antibody recognizes the Fc region of IgG, and has been adsorbed against mouse immunoglobulins to reduce species cross-reactivity.

References

1. Nielsen, L.S. *et al.* (2010) Single-batch production of recombinant human polyclonal antibodies. [Mol Biotechnol. 45 \(3\): 257-66.](#)
2. Nordström, T. *et al.* (2011) Human Siglec-5 inhibitory receptor and immunoglobulin A (IgA) have separate binding sites in streptococcal beta protein. [J Biol Chem. 286 \(39\): 33981-91.](#)
3. Hanitsch, L.G. *et al.* (2015) Late-Onset Disseminated Mycobacterium avium intracellulare Complex Infection (MAC), Cerebral Toxoplasmosis and *Salmonella* Sepsis in a German Caucasian Patient with Unusual Anti-Interferon-Gamma IgG1 Autoantibodies. [J Clin Immunol. 35 \(4\): 361-5.](#)
4. Zheng, L. *et al.* (2015) Streptococcal 5'-nucleotidase A (S5nA), a novel group A Streptococcal virulence factor that facilitates immune evasion. [J Biol Chem. pii: jbc.M115.677443.](#)
5. Le, Y. *et al.* (2016) Immunogenicity of Murine mPEG-Red Blood Cells and the Risk of Anti-PEG Antibodies in Human Blood Donors. [Exp Hematol. Nov 15. pii: S0301-472X\(16\)30702-0. \[Epub ahead of print\]](#)
6. Zheng, L. *et al.* (2015) Streptococcal 5'-Nucleotidase A (S5nA), a Novel *Streptococcus pyogenes* Virulence Factor That Facilitates Immune Evasion. [J Biol Chem. 290 \(52\): 31126-37.](#)

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10094 available at:
<https://www.bio-rad-antibodies.com/SDS/STAR106P>
10094

Regulatory For research purposes only

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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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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