

Datasheet: STAR106P

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	0.01% Thiomersal
Stabilisers	HRP stabiliser (BUF052A)
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](#)

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

Store at +4°C. DO NOT FREEZE.
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

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

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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