

Datasheet: STAR106

Description:	GOAT ANTI HUMAN IgG GAMMA CHAIN
Specificity:	IgG GAMMA CHAIN
Format:	Purified
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	▪			1ug/ml - 5ug/ml
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	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.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
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.

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- 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 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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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