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## Goat Anti-Rabbit IgG H&L, Cy3 conjugated

Catalog Number: bs-0295G-Cy3

Target Protein: Goat Anti-Rabbit IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: IF (1:200-1000), Flow-Cyt (1:50-200)

Excitation spectrum: 514nm, 552nm

Emission spectrum: 570nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Rabbit

Purification: affinity purified by Protein G, nonspecific adsorbed

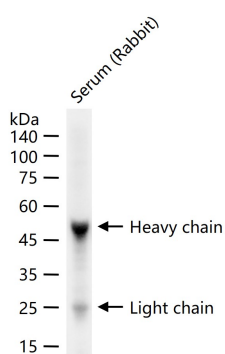
Storage: 10 mM TBS (pH=7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol.

Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 10<sup>11</sup> variants.

### VALIDATION IMAGES

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25 ug total protein per lane of various lysates (see on figure) probed with Rabbit IgG H&L polyclonal antibody, unconjugated (bs-0295G) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

## PRODUCT SPECIFIC PUBLICATIONS

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**[IF=44.7]** Zhenyu Wang. et al. A cytoplasmic osmosensing mechanism mediated by molecular crowding-sensitive DCP5. SCIENCE. 2024 Nov;386(6721) IF ; Human . 39480925

**[IF=32.086]** Yuxin Liu. et al. Ferromagnetic flexible electronics for brain-wide selective neural recording. ADV MATER. 2022 Nov;;2208251 IF ; Rat . 36451587

**[IF=15.1]** Ye Zhang. et al. Engineering of phytic acid-coated Prussian nanoparticles for combined Nitric oxide and Low-Temperature photothermal therapy of osteosarcoma. CHEM ENG J. 2024 Apr;;151730 IF ; Mouse . 10.1016/j.cej.2024.151730

**[IF=14.612]** Na Zhou. et al. Specific Fluorescent Probe Based on “Protect-Deprotect” To Visualize the Norepinephrine Signaling Pathway and Drug Intervention Tracers. J Am Chem Soc. 2020;142(41):17751–17755 IF ; Human . 33000941

**[IF=7.7]** Huixia Yu. et al. Fibroblast growth factor 1 (FGF1) improves glucose homeostasis, modulates gut microbial composition, and reduces inflammatory responses in rainbow trout (*Oncorhynchus mykiss*) fed a high-fat diet. INT J BIOL MACROMOL. 2024 Nov;281:136226 FC ; Fish . 39383919