bs-0295G-Cy5 **[Secondary Antibodies]**

Goat Anti-Rabbit IgG H&L, Cy5 conjugated

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DATASHEET

Host: Goat **Isotype:** IgG

Clonality: Polyclonal

Target: Goat Anti-Rabbit IgG H&L

Purification: affinity purified by Protein G, nonspecific adsorbed

Concentration: 2.0 mg/ml

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 1011 variants.

Applications: **IF** (1:100-1000)
Flow-Cyt (1:100-1000)
ICC/IF (1:100-1000)

Excitation Spectrum: 649nm
Emission spectrum: 670nm

Reactivity: Rabbit

SELECTED CITATIONS

- **[IF=44.7]** Zhenyu Wang. et al. A cytoplasmic osmosensing mechanism mediated by molecular crowding–sensitive DCP5. SCIENCE. 2024 Nov;386(6721) IF ;Arabidopsis thaliana. 39480925
- **[IF=15.8]** Wuxian Deng. et al.Leveraging Vitamin C to Augment Nanoenabled Photothermal Immunotherapy..ACS Nano.2025 Mar 26. IF ;Rabbit. 40138545
- **[IF=14.5]** Yunkun Li. et al. Dendritic nanomedicine enhances chemo-immunotherapy by disturbing metabolism of cancer-associated fibroblasts for deep penetration and activating function of immune cells. ACTA PHARM SIN B. 2024 Mar;: IF ;Mouse. 10.1016/j.apsb.2024.03.010
- **[IF=12.8]** Linhong Liu. et al. Transformable peptide blocks NF-κB/IκBα pathway through targeted coating IκBα against rheumatoid arthritis. BIOMATERIALS. 2025 Mar;314:122839 IF ;Mouse. 39288618
- **[IF=9.8]** Yanghuan Yu. et al. MiRNA-seq and mRNA-seq revealed the mechanism of fluoride-induced cauda epididymal injury. SCI TOTAL ENVIRON. 2024 Jun;930:172895 IF ;Mouse. 38697545

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.