

bs-0295G-BF647**[Secondary Antibodies]****Goat Anti-Rabbit IgG H&L, BF647 conjugated****BioSS**
ANTIBODIES

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— DATASHEET —

Host: Goat	Isotype: IgG	Applications: IF (1:200-1000)
Clonality: Polyclonal		Flow-Cyt (1:50-200)
Target: Goat Anti-Rabbit IgG H&L		ICC/IF (1:100-1000)
Purification: affinity purified by Protein G, nonspecific adsorbed		Excitation Spectrum: 647nm
Concentration: 2.0 mg/ml		Emission spectrum: 666nm
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.		Reactivity: Rabbit
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.		

— SELECTED CITATIONS —

- **[IF=26.8]** Li Nan. et al. Potent prophylactic cancer vaccines harnessing surface antigens shared by tumour cells and induced pluripotent stem cells. NAT BIOMED ENG. 2024 Dec;;1-19 IF ;Mouse. 39730914
- **[IF=26.6]** Jiang Wei. et al. Enhanced nanoparticle delivery across vascular basement membranes of tumours using nitric oxide. NAT BIOMED ENG. 2025 May;;1-16 IF ;Rabbit. 40316687
- **[IF=12.4]** Tao Xu. et al. Targeted sonogenetic modulation of GABAergic interneurons in the hippocampal CA1 region in status epilepticus. THERANOSTICS. 2024 Oct;14(16):6373 IF ;Mouse. 39431014
- **[IF=4.9]** Renjie Dou. et al. Oroxylin A inhibits UVB-induced non-melanoma skin cancer by regulating XPA degradation. CHIN J NAT MEDICINES. 2025 Jun;23:742 IF ;Mouse. 40545319
- **[IF=3.7]** Yan Zhang. et al. P2RX1-blocked neutrophils induce CD8+ T cell dysfunction and affect the immune escape of gastric cancer cells. CELL IMMUNOL. 2024 Dec;;104901 WB ;Human. 39675308