bs-0295G-BF647 **[Secondary Antibodies]**

Goat Anti-Rabbit IgG H&L, BF647 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** (1:200-1000)
Flow-Cyt (1:50-200)
ICC/IF (1:100-1000)

Excitation Spectrum: 647nm
Emission spectrum: 666nm

Reactivity: Rabbit

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=12.9]** Yu Xichao. et al. Extracellular vesicle-mediated delivery of circp53 suppresses the progression of multiple cancers by activating the CypD/TRAP/HSP90 pathway. EXP MOL MED. 2025 Aug;:1-16 IF ;Mouse,Human. 40744997
- **[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