bs-0293G-BF647 **[Secondary Antibodies]**

Goat Anti-Rat IgG H&L, BF647 conjugated

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DATASHEET

Host: Goat **Isotype:** IgG

Clonality: Polyclonal

Target: Goat Anti-Rat IgG H&L

Purification: affinity purified by Protein G

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: Rat

SELECTED CITATIONS

- **[IF=13.7]** Feng Mingyang. et al. Targeting the poliovirus receptor to activate T cells and induce myeloid-derived suppressor cells to differentiate to pro-inflammatory macrophages via the IFN-γ-p-STAT1-IRF8 axis in cancer therapy. CELL DEATH DIFFER. 2025 Apr;:1-15 IF ;Mouse. 40229462
- **[IF=2.5]** Li Bingxin. et al. Pectin: a key component deposited in the exine of Annona montana potentially associated with exine shedding. PROTOPLASMA. 2025 Apr;:1-14 IHC ;Annona montana. 40210724