

bs-0293G-Cy5

[Secondary Antibodies]



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Goat Anti-Rat IgG H&L, Cy5 conjugated

— DATASHEET —

Host: Goat	Isotype: IgG	Applications: IF (1:100-1000)
Clonality: Polyclonal		Flow-Cyt (1:100-1000)
Target: Goat Anti-Rat IgG H&L		ICC/IF (1:100-1000)
Purification: affinity purified by Protein G		Excitation Spectrum: 649nm
Concentration: 2.0 mg/ml		Emission spectrum: 670nm
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: Rat
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=4.8]** Haozhe Tian. et al.NLRP3 inflammasome promotes functional repair after spinal cord injury in mice by regulating autophagy and its mechanism..International Immunopharmacology.2025 Mar 6;149:114230. IF ;Mouse. 39922115