

**bs-0293M-FITC****[ Secondary Antibodies ]**

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**Mouse Anti-Rat IgG H&L, FITC conjugated****— DATASHEET —**

<b>Host:</b> Mouse <b>Clonality:</b> Polyclonal <b>Target:</b> Mouse Anti-Rat IgG H&L <b>Purification:</b> affinity purified by Protein G <b>Concentration:</b> 2.0 mg/ml <b>Storage:</b> 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. <b>Background:</b> 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.	<b>Isotype:</b> IgG <b>Applications:</b> <b>IF</b> (1:100-1000) <b>Flow-Cyt</b> (1:100-1000) Excitation Spectrum: 495nm Emission spectrum: 519nm <b>Reactivity:</b> Rat
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**— SELECTED CITATIONS —**

- **[IF=6.6]** Ze-Nan Huang. et al. Melatonin alleviates oxidative stress-induced injury to nucleus pulposus-derived mesenchymal stem cells through activating PI3K/Akt pathway. J ORTHOP TRANSL. 2023 Nov;43:66 IF ;Rat. 38089645
- **[IF=2.9]** Jieru Zhang. et al. Dexmedetomidine activates mitophagy and protects against pyroptosis in oxygen-glucose deprivation/reperfusion-induced brain damage via PINK1/Parkin pathway activation. JOURNAL OF BIOENERGETICS AND BIOMEMBRANES. 2025 Feb 22. IF ;Rat. 39985625