bs-0296G-BF647 **[Secondary Antibodies]**

Goat Anti-Mouse IgG H&L, BF647 conjugated

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Goat **Isotype:** IgG

Clonality: Polyclonal

Target: Goat Anti-Mouse 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: Mouse

SELECTED CITATIONS

- **[IF=27.4]** Yichao Lu. et al.An OMV-Based Nanovaccine as Antigen Presentation SignalEnhancer for Cancer Immunotherapy.ADVANCED MATERIALS.2025 Feb;37(8):e2413392. IF ;Mouse. 39811977
- **[IF=8.2]** Shi, Yunmin. et al.Ganglioside GA2-mediated caspase-11 activation drives macrophage pyroptosis aggravating intimal hyperplasia after arterial injury.INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES.2025 Jan 1;21(1):433-453. IF ;Goat, rabbit. 39744431
- **[IF=5.9]** Yusheng Yang. et al. Vitamin D inhibits apoptosis in THP-1 cells infected with mycobacterium tuberculosis through TNF signaling pathway. FRONT IMMUNOL. 2025 May;16: IF ;Human. 40396181
- **[IF=4.5]** Meiqi Xu. et al. Methyl-β-cyclodextrin Enhances Tumor Cellular Uptake and Accumulation of α-Linolenic Acid–Paclitaxel Conjugate Nanoparticles. MOL PHARMACEUT. 2024;XXXX(XXX):XXX-XXX IF ;Human. 39495317
- **[IF=5.1]** Li Danjun. et al. NAD+-dependent Sirt6 is a key regulator involved in telomere shortening of in vitro-cultured preimplantation embryos. COMMUN BIOL. 2025 Aug;8(1):1-15 IF ;Mouse. 40849514