

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

www.bioss.com.cn

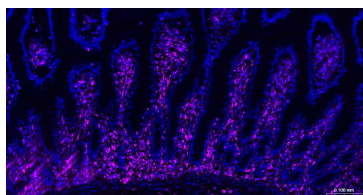
sales@bioss.com.cn

techsupport@bioss.com.cn

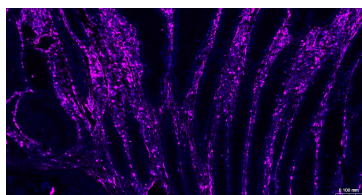
400-901-9800

Goat Anti-Mouse IgG H&L, BF647 conjugated**— DATASHEET —**

Host: Goat	Isotype: IgG	Applications: IF (1:200-1000)
Clonality: Polyclonal		Flow-Cyt (1:50-200)
Target: Goat Anti-Mouse IgG H&L		ICC/IF (1:100-1000)
Purification: affinity purified by Protein G, nonspecific adsorbed		Excitation Spectrum: 647nm
Concentration: 2.0 mg/ml		Emission spectrum: 666nm
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: Mouse
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.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Vimentin Monoclonal Antibody, Unconjugated (bsm-33170M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (rose red, bs-0296G-BF647), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Vimentin Monoclonal Antibody, Unconjugated (bsm-33170M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (rose red, bs-0296G-BF647), DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=52.7]** Wang Ke. et al. Alpha hemolysin enhances the immune response by modulating dendritic cell differentiation via ADAM10-Notch signaling. SIGNAL TRANSDUCT TAR. 2025 Oct;10(1):1-15 IF ;Mouse. 41062455
- **[IF=27.4]** Yichao Lu. et al. An OMV-Based Nanovaccine as Antigen Presentation Signal Enhancer 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=5.1]** Li Danjun. et al. NAD⁺-dependent Sirt6 is a key regulator involved in telomere shortening of in vitro-cultured

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

preimplantation embryos. COMMUN BIOL. 2025 Aug;8(1):1-15 IF ;Mouse. 40849514