

bs-0296G-BF555**[Secondary Antibodies]****Bioss**
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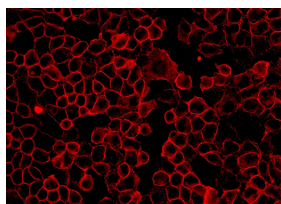
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400-901-9800

Goat Anti-Mouse IgG H&L, BF555 conjugated**— DATASHEET —**

Host: Goat	Isotype: IgG	Applications: IF (1:100-1000)
Clonality: Polyclonal		Flow-Cyt (1:100-1000)
Target: Goat Anti-Mouse IgG H&L		ICC/IF (1:100-1000)
Purification: affinity purified by Protein G, nonspecific adsorbed		Excitation Spectrum: 555nm
Concentration: 2.0 mg/ml		Emission spectrum: 572nm
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 —

HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (human CD44) monoclonal Antibody, Unconjugated (bsm-30038M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG/AF555(bs-0296G-BF555) antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=10.1]** Yiqing You. et al. BMP9 Potentiates Immunotherapy in Triple-Negative Breast Cancer by Suppressing Tregs Infiltration via the PRKDC-CCL2 Axis. CANCER LETT. 2025 Dec;;218175 IF ;Mouse. 41360160
- **[IF=5.7]** Linghu Kegang. et al. Fat-targeted small molecule alleviates abnormal adipose tissue remodeling in obesity via SIRT3-driven mitophagy and inflammasome inhibition. CHIN MED-UK. 2025 Dec;20(1):215 IF ;Mouse. 41372934
- **[IF=5.2]** Huang Yiru. et al. Interactions between excitatory neurons and parvalbumin interneurons in V1 underlie neural mechanisms of amblyopia and visual stimulation treatment. COMMUN BIOL. 2024 Nov;7(1):1-16 IF ;Mouse. 39587348
- **[IF=5.2]** Chunxue Xu. et al. Gestational diabetes mellitus-derived miR-7-19488 targets PIK3R2 mRNA to stimulate the abnormal development and maturation of offspring-islets.life sciences.2025 Feb 15:363:123369. IF confocal microscopy ;Rat, Mouse. 39778763

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

- **[IF=4.6]** Lai Xiaoyi. et al. Exogenous α -Synuclein Induces Oxidative Damage to Dopaminergic Neurons Through p-NMDAR2B/Nur77. MOL NEUROBIOL. 2024 Nov;;1-15 IF ;Mouse. 39592556