

bs-0296G-Cy5**[Secondary Antibodies]****Bioss**
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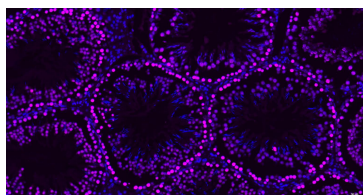
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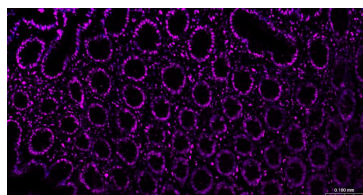
400-901-9800

Goat Anti-Mouse IgG H&L, Cy5 conjugated**DATASHEET**

Host: Goat	Isotype: IgG	Applications: IF (1:100-500) Flow-Cyt (1:100-1000) ICC/IF (1:100-1000)
Clonality: Polyclonal		Excitation Spectrum: 649nm Emission spectrum: 670nm
Target: Goat Anti-Mouse IgG H&L		Reactivity: Mouse
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. Shipped at 4°C. Store at -20°C. 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.		

VALIDATION IMAGES

Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (bsm-33042M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Purple, bs-0296G-Cy5), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Histone H3 Monoclonal Antibody, Unconjugated (bsm-33042M) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (Purple, bs-0296G-Cy5), DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=11.9]** Xu Chen. et al. Dual-driven selenium Janus single-atom nanomotors for autonomous regulating mitochondrial oxygen imbalance to catalytic therapy of rheumatoid arthritis. REDOX BIOL. 2025 Apr;81:103574 IF ;Human,Mouse. 40043450
- **[IF=10.2]** Shanshan Li. et al. Multifunctional injectable chitosan-based adhesive enhanced by limited oxidation for assisting bone grafting. MATER TODAY BIO. 2026 Jan;:102759 IF ;Rat. 41551885
- **[IF=9.995]** Huijuan Tan. et al. Phase separation of SGS3 drives siRNA body formation and promotes endogenous gene silencing. CELL REP. 2023 Jan;42:111985 IF ;Arabidopsis seedlings,yeast. 36640363
- **[IF=7.5]** Liu Tingjun. et al. Menin orchestrates hepatic glucose and fatty acid uptake via deploying the cellular translocation of SIRT1 and PPARγ. CELL BIOSCI. 2023 Dec;13(1):1-20 IF ;Mouse. 37740216
- **[IF=6.9]** Chunyu Feng. et al. METTL3/CD98-mediated glutamate efflux in CAFs drives CD8+ T cell exhaustion and

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impedes neoadjuvant immunochemotherapy. CELL REP. 2026 Feb;45(2):116933 IF ;Human,Mouse. 41610012