bs-0296G-Cy5 **[Secondary Antibodies]**

Goat Anti-Mouse IgG H&L, Cy5 conjugated

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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** (1:100-500)
Flow-Cyt (1:100-1000)
ICC/IF (1:100-1000)

Excitation Spectrum: 649nm
Emission spectrum: 670nm

Reactivity: Mouse

SELECTED CITATIONS

- **[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=5.869]** Qianqian Guo . et al. Heterologous prime-boost immunization co-targeting dual antigens inhibit tumor growth and relapse. Oncoimmunology. 2020;9(1):1841392 ICC ;Hamster. 33224629
- **[IF=5.215]** Tianrui Zhang. et al. Daphnetin Improves Neuropathic Pain by Inhibiting the Expression of Chemokines and Inflammatory Factors in the Spinal Cord and Interfering with Glial Cell Polarization. PHARMACEUTICALS-BASE. 2023 Feb;16(2):243 FCM ;Human. 10.3390/ph16020243
- **[IF=4.021]** Jiang X et al. Overexpression of augmenter of liver regeneration (ALR) mitigates the effect of H 2 O 2-induced endoplasmic reticulum stress in renal tubule epithelial cells. Apoptosis.2019. ICC ;Mouse. doi:10.1007/s10495-019-01517-z