bs-0296G-BF555 **[Secondary Antibodies]**

Goat Anti-Mouse IgG H&L, BF555 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** (1:100-1000)
Flow-Cyt (1:100-1000)
ICC/IF (1:100-1000)

Excitation Spectrum: 555nm
Emission spectrum: 572nm

Reactivity: Mouse

SELECTED CITATIONS

- **[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=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
- **[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
- **[IF=2.2]** Qiuying Liang. et al. The important role of the Wnt/β-catenin signaling pathway in small molecules mediated gingival mesenchymal stem cells transdifferentiate into neuron-like cells. ARCH ORAL BIOL. 2024 Oct;:106115 ICC ;Human. 39488928