bs-0296G-BF488 **[Secondary Antibodies]**

Goat Anti-Mouse IgG H&L, BF488 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** (1:200-1000)
Flow-Cyt (1:50-200)
ICC/IF (1:100-1000)

Excitation Spectrum: 488nm
Emission spectrum: 519nm

Reactivity: Mouse

SELECTED CITATIONS

- **[IF=14.7]** Huang Zhusheng. et al. Two-dimensional coordination risedronate-manganese nanobelts as adjuvant for cancer radiotherapy and immunotherapy. NAT COMMUN. 2024 Oct;15(1):1-20 IF ;Mouse. 39375342
- **[IF=11.4]** Yuwen Xie. et al. Targeting ATM enhances radiation sensitivity of colorectal cancer by Potentiating radiation-induced cell death and antitumor immunity. J ADV RES. 2024 Dec;: IF ;Human. 39708961
- **[IF=9.3]** Gao Dandan. et al. Enhancing Th17 cells drainage through meningeal lymphatic vessels alleviate neuroinflammation after subarachnoid hemorrhage. J NEUROINFLAMM. 2024 Dec;21(1):1-17 IF ;Mouse. 39428510
- **[IF=8.2]** Lingling Yi. et al. NOD2 Promotes Sepsis-Induced Neuroinflammation by Increasing Brain Endoplasmic Reticulum Stress Mediated by LACC1. FREE RADICAL BIO MED. 2025 May;: IF ;Mouse. 40335000
- **[IF=5.9]** Tong Li. et al.Small extracellular vesicles derived from human induced pluripotent stem cell-differentiated neural progenitor cells mitigate retinal ganglion cell degeneration in a mouse model of optic nerve injury.neural regen res.2025 Feb 1;20(2):587-597. IF ;Mouse. 38819069