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## Goat Anti-Mouse IgG H&L, PE conjugated

Catalog Number: bs-0296G-PE

Target Protein: Goat Anti-Mouse IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: IF (1:100-1000), Flow-Cyt (1:100-1000)

Excitation spectrum: 496nm,564nm

Emission spectrum: 578nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Mouse

Purification: affinity purified by Protein G, nonspecific adsorbed

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 10<sup>11</sup> variants.

### PRODUCT SPECIFIC PUBLICATIONS

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**[IF=5.9]** Mao, Liang, et al. "Epothilone B impairs functional recovery after spinal cord injury by increasing secretion of macrophage colony-stimulating factor." *Cell Death & Disease* 8.11 (2017): e3162. Mao, Liang, et al. (2017) *Cell Death Dis.* 29095439 FCM rat Bioss, USA 5.965 "1 Department of Oncology, The First Affiliated Hospital of Jinzhou Medical University, Jinzhou 121000, People's Republic of China. 2 Key Laboratory of Medical Tissue Engineering of Liaoning Province, The First Affiliated H FCM ; Mouse . 29095439

**[IF=6.304]** Yin Zhu. et al. SOX2 promotes chemoresistance, cancer stem cells properties, and epithelial–mesenchymal transition by  $\beta$ -catenin and Beclin1/autophagy signaling in colorectal cancer. *Cell Death Dis.* 2021 May;12(5):1-16 IF ; Human . 33953166

**[IF=6.208]** Shan Yang. et al. Hydrolyzed Conchiolin Protein (HCP) Extracted from Pearls Antagonizes both ET-1 and  $\alpha$ -MSH for Skin Whitening. *INT J MOL SCI.* 2023 Jan;24(8):7471 FCM,IF ; Human . 37108635

[IF=4.545] Liu Y et al. The synergistic effect of NELL1 and adipose-derived stem cells on promoting bone formation in osteogenesis imperfecta treatment. Biomed Pharmacother. 2020 Aug;128:110235. IF ; mouse . 32454289

[IF=5.31] Xiaodong Cui. et al. Slight up-regulation of Kir2.1 channel promotes endothelial progenitor cells to transdifferentiate into a pericyte phenotype by Akt/mTOR/Snail pathway. 2021 Sep 30 FCM ; rat . 34592781