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## Rabbit Anti-Mouse IgG H&L, FITC conjugated

Catalog Number: bs-0296R-FITC

Target Protein: Rabbit Anti-Mouse IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Excitation spectrum: 495nm

Emission spectrum: 519nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Mouse

Purification: affinity purified by Protein A

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=6.208] Ting Lin. et al. CTH/H2S Regulates LPS-Induced Inflammation through IL-8 Signaling in MAC-T Cells. INT J MOL SCI. 2022 Jan;23(19):11822 IF ; Mouse . 36233122

[IF=4.6] Tian Jihua. et al. SIRT1 slows the progression of lupus nephritis by regulating the NLRP3 inflammasome through ROS/TRPM2/Ca<sup>2+</sup> channel. CLIN EXP MED. 2023 Jun;;1-14 IF,ICC ; Mouse . 37261640

[IF=4.07] Wang, Beibei, et al. "Chlamydia pneumoniae Infection Promotes Vascular Smooth Muscle Cell Migration through a Toll-Like Receptor 2-Related Signaling Pathway." Infection and immunity 81.12 (2013): 4583-4591. IHC ; Mouse . 24082081

[IF=3.6] Jihua Tian. et al. S1P/S1PR1 axis promotes macrophage M1 polarization through NLRP3 inflammasome activation in Lupus

nephritis. MOL IMMUNOL. 2023 Aug;160:55 IF ; Mouse . 37379683

[IF=4.161] Sun Ya. et al. METTL3 promotes proliferation of goat endometrial epithelial cells by regulating CTGF in an m6A-dependent manner. BIOL REPROD. 2023 Mar;; ICC ; Goat . 36917263