
Goat Anti-Mouse IgG H&L, RBITC conjugated

Catalog Number: bs-0296G-RBITC

Target Protein: Goat Anti-Mouse IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: Flow-Cyt (1:50-200), IF (1:200-1000)

Excitation spectrum: 540nm

Emission spectrum: 625nm

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 10¹¹ variants.

PRODUCT SPECIFIC PUBLICATIONS

[IF=9] Ma Nannan. et al. CHOP-mediated Gasdermin E expression promotes pyroptosis, inflammation, and mitochondrial damage in renal ischemia-reperfusion injury. CELL DEATH DIS. 2024 Feb;15(2):1-17 IF ; Mouse . 38388468

[IF=7.793] Wang JN et al. Smad3 promotes AKI sensitivity in diabetic mice via interaction with p53 and induction of NOX4-dependent ROS production. Redox Biol. 2020 Feb 26;32:101479. IF ; human . 32143149

[IF=7.793] Wang JN et al. Smad3 Promotes AKI Sensitivity in Diabetic Mice via Interaction With p53 and Induction of NOX4-dependent ROS Production. Redox Biol. 2020 May;32:101479. WB,IF ; mouse . 32143149

[IF=6.217] Wang L et al. Zoledronic acid inhibits the growth of cancer stem cell derived from cervical cancer cell by attenuating their stemness phenotype and inducing apoptosis and cell cycle arrest through the Erk1/2 and Akt pathways. J Exp Clin Cancer Res. 2019 Feb 21;38(1):93. IF ; Mouse . 30791957

[IF=4.432] Zixin Zhu. et al. Thymosin beta 4 alleviates non-alcoholic fatty liver by inhibiting ferroptosis via up-regulation of GPX4. Eur J Pharmacol. 2021 Jul;;174351 WB ; Rat, Human . 34280397