
Goat Anti-Rat IgG H&L, Cy3 conjugated

Catalog Number: bs-0293G-Cy3

Target Protein: Goat Anti-Rat IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

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

Excitation spectrum: 514nm,552nm

Emission spectrum: 570nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Rat

Purification: affinity purified by Protein G

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=9.4] Keze Hong, et al. A nanodrug provokes antitumor immune responses via synchronous multicellular regulation for enhanced cancer immunotherapy. J COLLOID INTERF SCI. 2024 Sep;; IF ; Human . 39265345

[IF=8.2] Shi, Yunmin. et al.Ganglioside GA2-mediated caspase-11 activation drives macrophage pyroptosis aggravating intimal hyperplasia after arterial injury.INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES.2025 Jan 1;21(1):433-453. IF ; Goat, rat . 39744431

[IF=6.1] Shan Zhang, et al. Synergistic lethality between auranofin-induced oxidative DNA damage and ATR inhibition in cancer cells. LIFE SCI. 2023 Nov;332:122131 IF ; Human . 37778414

[IF=5.218] Zhou and Sun Edwardsiella tarda-Induced Inhibition of Apoptosis: A Strategy for Intracellular Survival. (2016)

