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## Goat Anti-Rat IgG H&L

Catalog Number: bs-0293G

Target Protein: Goat Anti-Rat IgG H&L

Form: Lyophilized

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Reactivity: Rat

Source: Native Rat IgG: full length.

Purification: affinity purified by Protein G

Storage: 0.01M PBS (pH7.4).

Store at -20°C stable for 2 years (lyophilized powder). 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

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[IF=14.7] Zuo Shiman. et al. Lipid synthesis, triggered by PPAR $\gamma$  T166 dephosphorylation, sustains reparative function of macrophages during tissue repair. NAT COMMUN. 2024 Aug;15(1):1-18 IF ; Mouse . 39179603

[IF=5.6] Ping Yu. et al. Microglia Caspase11 non-canonical inflammasome drives fever. ACTA PHYSIOL. 2024 Jun;;e14187 IHC ; Rat . 38864370

[IF=4.825] Bai, L et al. Renoprotective Effects of Artemisinin and Hydroxychloroquine Combination Therapy on IgA Nephropathy via Suppressing NF- $\kappa$ B Signaling and NLRP3 Inflammasome Activation by Exosomes in Rats. Biochemical Pharmacology. 2019 Aug22. IF ; Rat . doi:10.1016/j.bcp.2019.08.021

[IF=5.1] Dongliu Luo. et al. The mechanism of acrolein exposure inhibited the release of neutrophil extracellular traps: By reducing respiratory burst and Raf/MEK/ERK pathway and promote cell apoptosis. CHEM-BIOL INTERACT. 2023 Nov;385:110744 WB ; Chicken . 37806080

[IF=5.223] Qiangqiang Jia. et al. Rehmanniae Radix Preparata (RRP) improves pain sensitization and suppresses PI3K/Akt/TRPV1 signaling pathway in estrogen deficient rats. J FUNCT FOODS. 2022 Aug;95:105162 IHC ; Rat . 10.1016/j.jff.2022.105162