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**Goat Anti-Rat IgG H&L****— DATASHEET —**

<b>Host:</b> Goat <b>Clonality:</b> Polyclonal <b>Target:</b> Goat Anti-Rat IgG H&L <b>Immunogen:</b> Native Rat IgG: full length. <b>Purification:</b> affinity purified by Protein G <b>Storage:</b> 0.01M PBS (pH7.4). Store at -20°C stable for 2 years (lyophilized powder). Avoid repeated freeze/thaw cycles. <b>Background:</b> 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.	<b>Isotype:</b> IgG <b>Applications:</b> Isotype Control Blocking Assay etc. Conjugate-Dependent. <b>Reactivity:</b> Rat
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**— SELECTED CITATIONS —**

- **[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=6.1]** Jiajia Wang. et al.Gp350-targeted CAR-T therapy in EBV-positive Burkitt lymphoma: pre-clinical development of gp350 CAR-T.Journal of Translational Medicine .2025 Feb 10;23(1):171. IHC ;Rat. 39930509
- **[IF=5.6]** Ping Yu. et al. Microglia Caspase11 non-canonical inflammasome drives fever. ACTA PHYSIOL. 2024 Jun;;e14187 IHC ;Rat. 38864370
- **[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=5.1]** Yanping Zou. et al. Effect of Cytoskeletal Linker Protein GAS2L1 on Oligodendrocyte and Myelin Development. GLIA. 2025 Jan;; WB ;Rat. 39743758