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## Goat Anti-Rat IgG H&L, Biotin conjugated

Catalog Number: bs-0293G-Bio

Target Protein: Goat Anti-Rat IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:2000-20000), IHC-P (1:200-1000), IHC-F (1:200-1000), ELISA (1:2000-20000)

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

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[IF=6.2] Yi Pu. et al. MANF inhibits NLRP3 inflammasome activation by competitively binding to DDX3X in paraquat-stimulated alveolar macrophages. ECOTOX ENVIRON SAFE. 2024 Nov;287:117331 IHC ; Mouse . 39547060

[IF=1.581] Yu et al. Significance of multidrug resistance gene-related proteins in the postoperative chemotherapy of gastric cancer. (2015) Int.J.Clin.Exp.Pathol. 7:7945-50 IHC ; Rat . 25550836

[IF=0.14] Tu, Q., et al. "Atorvastatin protects against cerebral ischemia/reperfusion injury through anti-inflammatory and antioxidant effects." Neural Regeneration Research 9.3 (2014): 268. IHC ; Rat . 25206811