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

Catalog Number: bs-0310G-Bio

Target Protein: Goat Anti-Chicken IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:1000-10000), IHC-P (1:100-500), IHC-F (1:100-1000), IF (1:100-1000), ELISA (1:1000-10000)

Reactivity: Chicken

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 10<sup>11</sup> variants.

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=4.171] Jiajun Yang, et al. Selenium enriched *Bacillus subtilis* yb-1114246 activated the TLR2-NF- $\kappa$ B1 signaling pathway to regulate chicken intestinal  $\beta$ -defensin 1 expression. 2021 May 18 IHC ; Chicken . 34028482