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## Goat Anti-Bovine IgG H&L, FITC conjugated

Catalog Number: bs-0326G-FITC

Target Protein: Goat Anti-Bovine IgG H&L

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: IF (1:100-1000), Flow-Cyt (1:100-1000)

Excitation spectrum: 495nm

Emission spectrum: 519nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Bovine

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=9.42] Qin, Xin-Cheng, et al. "A tick-borne segmented RNA virus contains genome segments derived from unsegmented viral ancestors." Proceedings of the National Academy of Sciences 111.18 (2014): 6744-6749. Other ; Bovine . 24753611

[IF=3.7] Hao Qi. et al. Met stimulates ARID1A degradation and activation of the PI3K-SREBP1 signaling to promote milk fat synthesis in bovine mammary epithelial cells. ANIM BIOTECHNOL. 2023 Oct 14 IF ; COW . 37837279