**bs-0358G-BF647** **[ Secondary Antibodies ]**

# Goat Anti-Guinea Pig IgG H&L, BF647 conjugated

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## DATASHEET

**Host:** Goat **Isotype:** IgG

**Clonality:** Polyclonal

**Target:** Goat Anti-Guinea Pig IgG H&L

**Purification:** affinity purified by Protein G

**Concentration:** 2.0 mg/ml

**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.

**Applications:** **IF** (1:100-1000)
**Flow-Cyt** (1:100-1000)
**ICC/IF** (1:100-1000)

Excitation Spectrum: 647nm
Emission spectrum: 666nm

**Reactivity:** Guinea Pig

## SELECTED CITATIONS

- **[IF=12.4]** Tao Xu. et al. Targeted sonogenetic modulation of GABAergic interneurons in the hippocampal CA1 region in status epilepticus. THERANOSTICS. 2024 Oct;14(16):6373 IF ;Mouse. 39431014

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.