

**bs-0295G-Cy5.5**

**[ Secondary Antibodies ]**

## Goat Anti-Rabbit IgG H&L, Cy5.5 conjugated

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ANTIBODIES

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### — DATASHEET —

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| <b>Host:</b> Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Isotype:</b> IgG | <b>Applications:</b> IF (1:100-1000) |
| <b>Clonality:</b> Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     | <b>Flow-Cyt</b> (1:100-1000)         |
| <b>Target:</b> Goat Anti-Rabbit IgG H&L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     | <b>ICC/IF</b> (1:100-1000)           |
| <b>Purification:</b> affinity purified by Protein G, nonspecific adsorbed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     | Excitation Spectrum: 675nm           |
| <b>Concentration:</b> 2.0 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     | Emission spectrum: 694nm             |
| <b>Storage:</b> 10 mM TBS (pH=7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol.<br>Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     | <b>Reactivity:</b> Rabbit            |
| <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. |                     |                                      |

### — SELECTED CITATIONS —

- **[IF=14.957]** Liping Wang. et al. Neuronal activity induces glucosylceramide that is secreted via exosomes for lysosomal degradation in glia. SCI ADV. 2022 Jul;8(28) IF ;Fly. 35857503
- **[IF=14.1]** Fan Chen. et al. Lysosomal Cathepsin S Escape Facilitates Near Infrared Light-Triggered Pyroptosis Via an Antibody-Indocyanine Green Conjugate. ADV SCI. 2025 Jun;;e04851 IF ;Human. 40539828