bs-0295G-FITC **[Secondary Antibodies]**

Goat Anti-Rabbit IgG H&L, FITC conjugated

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DATASHEET

Host: Goat **Isotype:** IgG

Clonality: Polyclonal

Target: Goat Anti-Rabbit IgG H&L

Purification: affinity purified by Protein G, nonspecific adsorbed

Concentration: 2.0 mg/ml

Storage: 10 mM TBS (pH=7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol.
Shipped at 4°C. Store at -20°C. Avoid repeated freeze/thaw cycles.

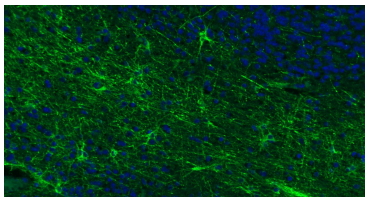
Background: Immunoglobulin G (IgG) is one of the most abundant proteins in serum with normal levels between 8-17 mg/mL in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has 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** (1:200-1000)
Flow-Cyt (1:50-200)
ICC/IF (1:100-1000)

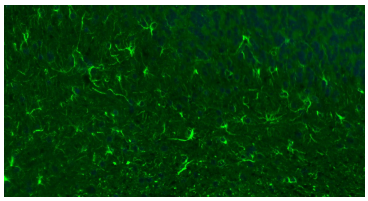
Excitation Spectrum: 495nm
Emission spectrum: 519nm

Reactivity: Rabbit

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (bs-0199R) at 1:100 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-FITC), DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GFAP Polyclonal Antibody, Unconjugated (bs-0199R) at 1:100 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-FITC), DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=20.693]** Hui Wang. et al. Tumor cell vaccine combined with Newcastle disease virus promote immunotherapy of lung cancer. J MED VIROL. 2023 Feb;: ICC ;Rabbit. 36738232
- **[IF=20.3]** Mengsi Zhang. et al. Regulating SLC7A11/GSH/GPX4 axis by glucose dyshomeostasis to simultaneously promote disulfidptosis, cuproptosis and ferroptosis. BIOACT MATER. 2025 Sep IF ;Rabbit. 10.1016/j.bioactmat.2025.09.003
- **[IF=17.337]** Wei-Lun Pan. et al. Rapid and efficient isolation platform for plasma extracellular vesicles: EV-FISHER. J EXTRACELL VESICLES. 2022 Nov;11(11):e12281 FCM ;Human. 36404468
- **[IF=16.6]** Bian Xufei. et al. Regulation of cerebral blood flow boosts precise brain targeting of vinpocetine-derived ionizable-lipidoid nanoparticles. NAT COMMUN. 2024 May;15(1):1-17 IF ;Mouse. 38734698
- **[IF=15.8]** Fei Wang. et al. A Cytotoxic T Lymphocyte-Inspiring Microscale System for Cancer Immunotherapy. ACS

NANO. 2025;XXXX(XXX):XXX-XXX ICC ;Rabbit. 40268689