

bs-0295G-Cy5**[Secondary Antibodies]****Goat Anti-Rabbit IgG H&L, Cy5 conjugated****Bioss**
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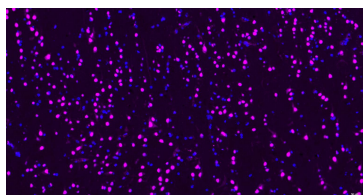
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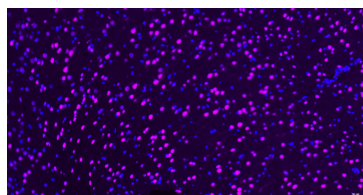
400-901-9800

— DATASHEET —

Host: Goat	Isotype: IgG	Applications: IF (1:100-1000)
Clonality: Polyclonal		Flow-Cyt (1:100-1000)
Target: Goat Anti-Rabbit IgG H&L		ICC/IF (1:100-1000)
Purification: affinity purified by Protein G, nonspecific adsorbed		Excitation Spectrum: 649nm
Concentration: 2.0 mg/ml		Emission spectrum: 670nm
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.		Reactivity: Rabbit
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.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Human Brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AKT1 Monoclonal Antibody, Unconjugated(bsm-52010R) at 1:200 overnight at 4°C, followed by a Cy5 conjugated Goat Anti-Rabbit IgG (bs-0295G-Cy5) antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Mouse brain; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AKT1 Monoclonal Antibody, Unconjugated(bsm-52010R) at 1:200 overnight at 4°C, followed by a Cy5 conjugated Goat Anti-Rabbit IgG (bs-0295G-Cy5) antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=44.7]** Zhenyu Wang. et al. A cytoplasmic osmosensing mechanism mediated by molecular crowding-sensitive DCP5. SCIENCE. 2024 Nov;386(6721) IF ;Arabidopsis thaliana. 39480925
- **[IF=15.8]** Wuxian Deng. et al.Leveraging Vitamin C to Augment Nanoenabled Photothermal Immunotherapy..ACS Nano.2025 Mar 26. IF ;Rabbit. 40138545
- **[IF=14.5]** Yunkun Li. et al. Dendritic nanomedicine enhances chemo-immunotherapy by disturbing metabolism of cancer-associated fibroblasts for deep penetration and activating function of immune cells. ACTA PHARM SIN B. 2024 Mar;; IF ;Mouse. 10.1016/j.apsb.2024.03.010
- **[IF=12.8]** Linhong Liu. et al. Transformable peptide blocks NF-κB/IκBα pathway through targeted coating IκBα against rheumatoid arthritis. BIOMATERIALS. 2025 Mar;314:122839 IF ;Mouse. 39288618
- **[IF=10.334]** Zhao Cui. et al. Chip-DSF: A rapid screening strategy for drug protein targets. PHARMACOL RES. 2022

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

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