bs-0296G-AP **[Secondary Antibodies]**

Goat Anti-Mouse IgG H&L, AP conjugated

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DATASHEET

Host: Goat **Isotype:** IgG

Clonality: Polyclonal

Target: Goat Anti-Mouse IgG H&L

Purification: affinity purified by Protein G, nonspecific adsorbed

Concentration: 1.0 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: **WB** (1:2000-20000)
IHC-P (1:200-1000)
IHC-F (1:200-1000)
ELISA (1:2000-20000)

Reactivity: Mouse

SELECTED CITATIONS

- **[IF=7.46]** Cuiling Shang. et al. Alkaline phosphatase-triggered dual-signal immunoassay for colorimetric and electrochemical detection of zearalenone in cornmeal. Sensor Actuat B-Chem. 2022 Feb;:131525 Other ;Other. 10.1016/j.snb.2022.131525
- **[IF=6.652]** Shixiang Wu. et al. Alkaline phosphatase triggered ratiometric fluorescence immunoassay for detection of zearalenone. FOOD CONTROL. 2022 Nov;:109541 Other ;. 10.1016/j.foodcont.2022.109541
- **[IF=6.408]** Yu, Yao. et al. Fluorescence ratio immunoassay for fumonisin B1 based on the oxidase characteristics of the growth of monodispersed 2-D MnO2 nanosheet on an individual gold nanoparticle (AuNP@MnO2). MICROCHIM ACTA. 2023 Mar;190(3):1-8 IF ;. 36790594
- **[IF=5.738]** Sicheng Bian. et al. Exosomal MiR-4261 mediates calcium overload in RBCs by downregulating the expression of ATP2B4 in multiple myeloma.. FRONT ONCOL. 2022 Aug;12:978755-978755 ICC ;Human. 36091107
- **[IF=6]** Shengxue Luo. et al.Protection of Novel Adenovirus Vectored Vaccine in Rats Against Wild-Type Hepacivirus and Variant Infections..LIVER INTERNATIONAL.2025 Apr;45(4):e70045. IHC ;. 40095396