bs-0368G-FITC **[Secondary Antibodies]**

Goat Anti-Mouse IgM, FITC conjugated

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Goat **Isotype:** IgG

Clonality: Polyclonal

Target: Goat Anti-Mouse IgM

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 M (IgM) normally constitutes about 10% of serum immunoglobulins. IgM antibody is prominent in early immune responses to most antigens and is largely confined to plasma due to it's large size. Monomeric IgM is expressed as a membrane bound antibody on the surface of B cells and as a pentamer when secreted by plasma cells. Due to it's high valency IgM is more efficient than other isotypes is binding antigens with repeating epitopes (virus particles and red blood cells) and is more efficient than IgG in activiating the complement pathway. The gene for the mu constant region contains four domains separated by short intervening sequences.

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

Excitation Spectrum: 495nm
Emission spectrum: 519nm

Reactivity: Mouse

SELECTED CITATIONS

- **[IF=14.7]** Cui Zhanding. et al. High-throughput screening unveils nitazoxanide as a potent PRRSV inhibitor by targeting NMRAL1. NAT COMMUN. 2024 Jun;15(1):1-12 IFA,IHC ;Pig,Monkey. 38844461
- **[IF=5.895]** Guangning Kou. et al. Sesamin Activates Skeletal Muscle FNDC5 Expression and Increases Irisin Secretion via the SIRT1 Signaling Pathway. J AGR FOOD CHEM. 2022;XXXX(XXX):XXX-XXX IF ;Mouse. 35708276
- **[IF=5.924]** Hongtao Liu. et al. Antiviral Effects of ABMA and DABMA against Influenza Virus In Vitro and In Vivo via Regulating the Endolysosomal Pathway and Autophagy. INT J MOL SCI. Int J Mol Sci. 2022 Jan;23(7):3940 IF ;Dog. 35409297
- **[IF=4.65]** Jiang, P., et al. "Eryptosis as an Underlying Mechanism in Systemic Lupus Erythematosus-Related Anemia." Cellular Physiology and Biochemistry 40.6 (2016): 1391-1400. ICC ;Mouse. 27997909
- **[IF=5.1]** Zhanding Cui. et al. Formononetin and mizoribine inhibit Porcine Reproductive and Respiratory Syndrome Virus replication in vitro. FRONT NUTR. 2025 Mar;11: IF ;. 40196742