bs-0368G-BF555 **[Secondary Antibodies]**

Goat Anti-Mouse IgM, BF555 conjugated

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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: 555nm
Emission spectrum: 572nm

Reactivity: Mouse

SELECTED CITATIONS

- **[IF=10.6]** Qin Mengran. et al. Adipose-derived exosomes ameliorate skeletal muscle atrophy via miR-146a-5p/IGF-1R signaling. J NANOBIOTECHNOL. 2024 Dec;22(1):1-21 IF ;Mouse. 39696303
- **[IF=10.6]** Qin Mengran. et al. Adipose-derived small extracellular vesicle miR-146a-5p targets Fbx32 to regulate mitochondrial autophagy and delay aging in skeletal muscle. J NANOBIOTECHNOL. 2025 Dec;23(1):1-18 IF ;Mouse,Pig. 40211295
- **[IF=4.6]** Shuguang Bao. et al. Identification of NMT1/MA/VPS15 signal pathway as potential therapeutic target in rat cerebral ischemia injury. EXP NEUROL. 2025 Jul;389:115252 IF ;Rat. 40221008