bs-0368G-BF488 **[Secondary Antibodies]**

Goat Anti-Mouse IgM, BF488 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: 488nm
Emission spectrum: 519nm

Reactivity: Mouse

SELECTED CITATIONS

- **[IF=4.8]** Bo Xu. et al.Glycyrrhizic acid reduces neutrophil extracellular trap formation to ameliorate colitis-associated colorectal cancer by inhibiting peptidylarginine deiminase 4.journal of ethnopharmacology.2025 Feb 11:341:119337. IF ;Mouse. 39788166