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

Goat Anti-Mouse IgM, HRP 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: **WB** (1:1000-10000)
IHC-P (1:100-500)
IHC-F (1:100-1000)
ELISA (1:1000-10000)

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=12.1]** Mingchen Lv. et al. Albumin Corona-Coated Nanoscale Metal–Organic Framework for Enzyme-Mediated Cascade Metabolization of Uric Acid in Hyperuricemia. SMALL. 2025 Mar;:2412612 ELISA ;Mouse. 40026041
- **[IF=10.5]** Qianyu Zhang. et al. An anionic and proline-rich peptide prolonged blood circulation of liposomes and evaded accelerated blood clearance after repeated administration. J CONTROL RELEASE. 2025 Feb;378:534 ELISA ;Mouse. 39701452
- **[IF=9.587]** Luo, Lu. et al. Intermittent theta-burst stimulation improves motor function by inhibiting neuronal pyroptosis and regulating microglial polarization via TLR4/NFκB/NLRP3 signaling pathway in cerebral ischemic mice. J NEUROINFLAMM. 2022 Dec;19(1):1-27 WB ;Mouse. 35690810
- **[IF=8.713]** Zong-Shin Lin. et al. EZH2/hSULF1 axis mediates receptor tyrosine kinase signaling to shape cartilage tumor progression. ELIFE. 2023 Jan WB ;Human. 36622753