

bs-0345G-HRP**[Secondary Antibodies]**

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Goat Anti-Human IgM, HRP conjugated**— DATASHEET —**

Host: Goat Clonality: Polyclonal Target: Goat Anti-Human 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: 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 its 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 its high valency IgM is more efficient than other isotypes in binding antigens with repeating epitopes (virus particles and red blood cells) and is more efficient than IgG in activating the complement pathway. The gene for the mu constant region contains four domains separated by short intervening sequences.	Isotype: IgG Applications: WB (1:1000-10000) IHC-P (1:100-500) IHC-F (1:100-1000) ELISA (1:1000-10000) Reactivity: Human
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— SELECTED CITATIONS —

- **[IF=22.553]** Ni L et al. Detection of SARS-CoV-2-Specific Humoral and Cellular Immunity in COVID-19 Convalescent Individuals. Immunity 2020 06 16;526(6) ELISA ;Human. 32413330
- **[IF=5.085]** Ling Ni. et al. Impaired Cellular Immunity to SARS-CoV-2 in Severe COVID-19 Patients. Front Immunol. 2021; 12: 603563 ELISA ;Human. 33603759
- **[IF=2.3]** Tian, Lifang, et al. "Autoimmune and inflammatory responses in Kashin-Bek disease compared with rheumatoid arthritis and osteoarthritis." Human Immunology 72.10 (2011): 812-816.. ELISA ;Human. 21699943