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## Goat Anti-Human IgM

Catalog Number: bs-0345G

Target Protein: Goat Anti-Human IgM

Form: Lyophilized or Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:1000-5000), IHC-P (1:100-500), IHC-F (1:200-1000), IF, ELISA (1:2000-10000)

Reactivity: Human

Source: Native Human IgM: full length.

Purification: affinity purified by Protein G

Storage: 0.01M PBS (pH7.4).

Store at -20°C stable for 2 years (lyophilized powder). 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.

### PRODUCT SPECIFIC PUBLICATIONS

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[IF=3.565] Yuan Y et al. CMTM5-v1 inhibits cell proliferation and migration by downregulating oncogenic EGFR signaling in prostate cancer cells. J Cancer . 2020 Apr 6;11(13):3762-3770. WB ; human . 32328181

[IF=1.79] Tang, Jieli, et al. "Studies of Fluorescence Immunosensor Using Eggshell Membrane as Immobilization Matrix." Journal of fluorescence 21.1 (2011): 339-346. Other ; Human . 20890646