
Goat Anti-Mouse IgM, APC conjugated

Catalog Number: bs-0368G-APC

Target Protein: Goat Anti-Mouse IgM

Concentration: 1.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: IF (1:100-1000), Flow-Cyt (1:100-1000)

Excitation spectrum: 650nm

Emission spectrum: 660nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Mouse

Purification: affinity purified by Protein G

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 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

[IF=10.2] Wang Chao. et al. PD-L1 blockade TAM-dependently potentiates mild photothermal therapy against triple-negative breast cancer. J NANOBIOECHANOL. 2023 Dec;21(1):1-21 IF ; Mouse . 38082443

[IF=5.875] Yuan SJ. et al. Conjugation with nanodiamonds via hydrazone bond fundamentally alters intracellular distribution and activity of doxorubicin.. Int J Pharmaceut. 2021 Jul;606:120872-120872 FCM ; Mouse . 34246743