
Goat Anti-Mouse IgM, Cy3 conjugated

Catalog Number: bs-0368G-Cy3

Target Protein: Goat Anti-Mouse IgM

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

Applications: IF (1:100-1000)

Excitation spectrum: 514nm,552nm

Emission spectrum: 570nm

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=16.744] Junjie Feng, et al. Rapid and efficient fluorescent aptasensor for PD-L1 positive extracellular vesicles isolation and analysis: EV-ANCHOR. CHEM ENG J. 2023 Apr;142811 IF ; Human . 10.1016/j.cej.2023.142811

[IF=4.936] Li et al. Endogenous ceramide contributes to the transcytosis of oxLDL across endothelial cells and promotes its subendothelial retention in vascular wall. (2014) Oxid.Med.Cell.Longev. 2014:823071 ICC ; Mouse . 24817993