
Goat Anti-Mouse IgM, PE conjugated

Catalog Number: bs-0368G-PE

Target Protein: Goat Anti-Mouse IgM

Concentration: 2.0 mg/ml

Form: Liquid

Host: Goat

Clonality: Polyclonal

Isotype: IgG

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

Excitation spectrum: 496nm,564nm

Emission spectrum: 578nm

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=3.24] Zhang, Yani, et al. "Selection of the Inducer for the Differentiation of Chicken Embryonic Stem Cells into Male Germ Cells In Vitro." PloS one 11.10 (2016): e0164664. ICC ; Mouse . 27741318