
Rabbit Anti-Mouse IgM

Catalog Number: bs-0368R

Target Protein: Rabbit Anti-Mouse IgM

Form: Lyophilized

Host: Rabbit

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: Mouse

Source: Native Mouse IgM: full length.

Purification: affinity purified by Protein A

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

[IF=3.9] Zhang, Meng, et al. "Immunoglobulin M, a Novel Molecule of Myocardial cells of Mice." The International Journal of Biochemistry & Cell Biology (2017). IHC ; Mouse . 28392377

[IF=1.55] Zhang, Xumin, et al. "Phenotypic transformation of smooth muscle cells from porcine coronary arteries is associated with connexin 43." Molecular Medicine Reports (2016). IF ; Mouse . 27175888