
Rabbit Anti-Rat IgM, HRP conjugated

Catalog Number: bs-0346R-HRP

Target Protein: Rabbit Anti-Rat IgM

Concentration: 2.0 mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Reactivity: Rat

Purification: affinity purified by Protein A

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: 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=5.116] Chunyu Jiang, et al. Upregulating CXCR7 accelerates endothelial progenitor cell-mediated endothelial repair by activating Akt/Keap-1/Nrf2 signaling in diabetes mellitus. Stem Cell Res Ther. 2021 Dec;12(1):1-15 WB ; Rat . 33941256

[IF=2.784] Guo X et al. RP105 ameliorates hypoxia/reoxygenation injury in cardiac microvascular endothelial cells by suppressing TLR4/MAPK/NF-κB signaling. Int J Mol Med. 2018 Jul;42(1):505-513. WB ; Rat . 29693119

[IF=0.46] Su, Yuqing, et al. "Mixed PEGylated surfactant modifying system decrease the accelerated blood clearance phenomenon of nanoemulsions in rats." Asian Journal of Pharmaceutical Sciences (2016). ELISA ; Rat . 10.1016/j.ajps.2016.07.003