
Mouse Anti-Rabbit IgM, FITC conjugated

Catalog Number: bs-0369M-FITC

Target Protein: Mouse Anti-Rabbit IgM

Concentration: 2.0 mg/ml

Form: Liquid

Host: Mouse

Clonality: Polyclonal

Isotype: IgG

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

Excitation spectrum: 495nm

Emission spectrum: 519nm

Not yet tested in other applications.

Optimal working dilutions must be determined by the end user.

Reactivity: Rabbit

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=5.636] Feng JT et al. Stiffness heterogeneity-induced double-edged sword behaviors of carcinoma-associated fibroblasts in antitumor therapy. *SCIENCE CHINA Materials*. 2019 Jan. ICC ; Rabbit . doi:10.1007/s40843-018-9383-3

[IF=6.196] Cheng He. et al. Crosstalk of renal cell carcinoma cells and tumor-associated macrophages aggravates tumor progression by modulating muscleblind-like protein 2/B-cell lymphoma 2/beclin 1-mediated autophagy. *CYTOTHERAPY*. 2022 Oct;; IF ; Human . 36244911

[IF=5.719] Lingzi Feng. et al. A Closed-Loop Autologous Erythrocyte-Mediated Delivery Platform for Diabetic Nephropathy Therapy.

NANOMATERIALS-BASEL. 2022 Jan;12(20):3556 FCM ; Rabbit . 36296745

[IF=4.861] Fei Qi. et al. LncRNA TUG1 promotes pulmonary fibrosis progression via up-regulating CDC27 and activating PI3K/Akt/mTOR pathway. EPIGENETICS-US. 2023;18(1):Article: 2195305 ICC ; Rat . 36994860

[IF=2.626] Zhao, Gang. et al. LINC02381, a sponge of miR-21, weakens osteogenic differentiation of hUC-MSCs through KLF12-mediated Wnt4 transcriptional repression. 2021 Nov 15 IF ; Human . 34778905