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Rabbit Anti-Mouse IgM, FITC conjugated

Catalog Number:	bs-0368R-FITC
Target Protein:	Rabbit Anti-Mouse IgM
Concentration:	2.0 mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	Flow-Cyt (1:100-1000), IF (1:100-1000) Excitation spectrum: 495nm Emission spectrum: 519nm
Reactivity:	Mouse
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 it's 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 it's high valency IgM is more efficient than other isotypes is binding antigens with repeating epitopes (virus particles and red blood cells) and is more efficient than IgG in activiating the complement pathway. The gene for the mu constant region contains four domains separated by short intervening sequences.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.811] Lingli Ding. et al. Ginsenoside Compound K Enhances Fracture Healing via Promoting Osteogenesis and Angiogenesis.. FRONT PHARMACOL. 2022 Apr;13:855393-855393 IF ; Rat . 35462912

[IF=4.7] Ding Lingli. et al. Ginsenoside compound-K attenuates OVX-induced osteoporosis via the suppression of RANKL-induced osteoclastogenesis and oxidative stress. NAT PRODUCT BIOPROSP. 2023 Dec;13(1):1-12 IF ; Mouse . 37940733