
Rabbit Anti-Chicken IgM, FITC conjugated

Catalog Number: bs-0314R-FITC

Target Protein: Rabbit Anti-Chicken IgM

Concentration: 2.0 mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Excitation spectrum: 495nm

Emission spectrum: 519nm

Reactivity: Chicken

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=3.8] Qiuyu Zhang, et al. Peptide-directed interference of PD-1/PD-L1 binding increases B lymphocyte function after infectious bursal disease viral infection. POULTRY SCI. 2024 Oct;;104389 FC ; Chicken . 39427422

[IF=3.293] Wenfeng Jia, et al. Construction and immune efficacy of a recombinant turkey herpesvirus vaccine strain expressing fusion protein of genotype VII Newcastle disease virus. VET MICROBIOL. Vet Microbiol. 2022 May;268:109429 IF ; Chicken . 35421830