
Rabbit Anti-Bovine IgM, HRP conjugated

Catalog Number: bs-0327R-HRP

Target Protein: Rabbit Anti-Bovine 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: Bovine

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=3.471] Tongsheng Qi. et al. Seroepidemiology of Neosporosis in Various Animals in the Qinghai-Tibetan Plateau. FRONT VET SCI. 2022 Jul 19;9:953380 ELISA ; Neospora caninum . 35928116

[IF=3.231] Jinchao Zhang. et al. Serological Analysis of IgG and IgM Antibodies against Anaplasma spp. in Various Animal Species of the Qinghai-Tibetan Plateau. ANIMALS. 2022 Jan;12(19):2723 ELISA ; Bovine . 36230463