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## Rat IgM / RBITC

Catalog Number: bsR-0346P

Form: Liquid

Applications: Isotype Control, Blocking Assay, etc., Conjugate-Dependent.

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% 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.