

## **Rabbit Anti Rat IgM/HRP**

### **Summary:**

Cat. Number: AC54320

Quantity size: 0.1ml

Concentration: 2mg/ml Buffer=0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage: Shipped at 4°C, Store at 4°C for 1 month, -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.

**Also known as:**Immunoglobulin M.

### **Specificity:**

Rabbit Polyclonal IgG, affinity purified by Protein A.

Reacts with: Rat.

Immunogen: Native Rat IgM.

Predicted Molecular Weight: 900kDa.

### **Application:**

WB=1:1000-10000 ELISA=1:1000-10000 IHC-P=1:100-1000 IHC-F=1:100-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.