

AP21498BT-N**Polyclonal Antibody to Bovine IgM (Fc specific) - Biotin****Alternate names:**

Bovine Immunoglobulin M

Quantity:

1 ml

Concentration:

10.0 mg/ml

Host / Isotype:

Rabbit / IgG

Immunogen:

Purified normal IgM isolated from pooled Bovine serum.
Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:

State: Lyophilized hyperimmune IgG fraction
Purification: Ammonium Sulphate Precipitation and Ion Exchange Chromatography
Buffer System: PBS, pH 7.2 without preservatives and foreign proteins
Label: Biotin
Molar Ratio: Biotin/IgG ~ 5.4
Reconstitution: Restore by adding 1.0 ml of sterile distilled water

Applications:

Immunocytochemical and Immunohistochemical staining for the detection of IgM at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates.
To demonstrate circulating IgM antibodies in serodiagnostic microbiology and autoimmune diseases.
To identify a specific antigen using an reference antibody of bovine origin known to be of the IgM isotype in the middle layer of the indirect test procedure.
In non-isotopic assay methodology (e.g. ELISA) to measure IgM in Bovine serum or other body fluids.
As a second step an avidin or streptavidin conjugate of the user's choice has to be used.
Recommended Dilutions:
Histochemistry and Cytochemistry: 1/50-1/250.
ELISA and comparable non-precipitating antibody-binding assays: 1/100-1/500.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody is directed against the Fc subunit of the IgM molecule which expresses strict isotypic (class) specificity. It does not react with any non-Ig protein in Bovine serum, as tested by Immunoelectrophoresis and double Radial Immunodiffusion.
Cross-reactivity : Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.
Species: Bovine.
Other species not tested.

Add. Information:

Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in

the antiserum.

Storage:

Store lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid Repeated thawing and freezing.

Shelf life: one year from despatch.