

AP31436HR-N**Polyclonal Antibody to Monkey IgA + IgG + IgM (Fc specific) - HRP****Alternate names:** Monkey IgA, Monkey IgG, Monkey IgM**Quantity:** 1 ml**Concentration:** 10 mg/ml**Host / Isotype:** Goat / IgG**Immunogen:** Purified polyclonal monkey IgG, and IgA and IgM containing fractions isolated from monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.**Format:** **State:** Lyophilised hyperimmune Ig fraction**Buffer System:** PBS, pH 7.2

No preservative added, as it may interfere with the antibody activity. No foreign proteins added.

Label: HRP – Horseradish Peroxidase*Molar Ratio:* 1,7**Reconstitution:** Restore with 1 ml sterile distilled water**Applications:**

Can be used in enzyme-immunocytochemical and immunohistochemical staining for the detection of cytoplasmic Ig at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases. The absence of activity to the common Ig/Fab subunit prevents the reaction of this conjugate with immunoglobulins binds to Fc receptors on non-lymphoid cells. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Recommended working dilutions:For **histochemical and cytochemical** use are usually between 1/100 and 1/500.In **ELISA and comparable non-precipitating antibody-binding assays** between 1/1000 and 1/8000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The reactivity of the antiserum is directed to the Fc subunits of the major isotypes of the monkey immunoglobulin system. No reaction is obtained with purified IgG/Fab or any non-Ig protein of monkey serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunoelectrophoresis and double radial immunodiffusion using various antiserum concentrations against normal monkey plasma and serum, the characteristic IgG, IgA and IgM precipitin lines are obtained.

Cross-reactivity Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Precipitation reactions have been observed with immunoglobulins in serum of other old-world monkeys, including Cercopithecus, Cynomolgus and Baboon. The conjugate may also react with other species as has been observed for chimpanzee and man.

Species: Monkey.

Other species not tested.

Add. Information:

Adsorption: Immunoaffinity adsorbed using insolubilized Ig-depleted monkey serum fractions and IgG/Fab as required to eliminate antibodies reacting with the common Fab portion of immunoglobulins or reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Storage:

Prior to reconstitution store at 2-8°C.

Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.