

AP31448HR-N**Polyclonal Antibody to Monkey IgG (H+L chain) - HRP**

Alternate names:	Monkey Immunoglobulin G
Quantity:	1 ml
Concentration:	10.0 mg/ml
Host / Isotype:	Rabbit / IgG
Immunogen:	Purified normal IgG isolated from pooled Rhesus Monkey serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized hyperimmune IgG fraction Purification: DEAE-Column Chromatography 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 Enzyme marker: Horseradish peroxidase enriched for isoenzyme C (RZ = 3.2). Conjugation procedure: Conjugation is carried out using a proprietary modification of the periodate method, followed by several purification steps. After each step activity and specificity are tested in a variety of techniques. No foreign protein has been added. The conjugate is lyophilized to assure stability and long shelf life <i>Molar Ratio:</i> ~1.7 Reconstitution: Restore with 1.0 ml sterile distilled water
Applications:	In enzyme-immunocytochemical and immunohistochemical staining for the detection of IgG, antigen or antibody, of appropriately treated cell and tissue substrates at the cellular and subcellular level. In non-isotopic assay methodology (e.g. ELISA) to identify and measure a specific IgG in monkey serum or other body fluid. In electron microscopy, since the complex between the conjugated antibody and the antigen also has electron-dense properties. 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. <u>Working Dilutions:</u> Histochemical and cytochemical: 1/100-1/250. ELISA and comparable non-precipitating antibody-binding assays: 1/1,000-1/8,000. 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 and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in monkey 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: Monkey.

Other species not tested.

Storage:

Prior to reconstitution store at 2-8°C.

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

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.