

AP31450HR-N**Polyclonal Antibody to Monkey IgA (Secretory component) - HRP****Alternate names:**

Monkey Immunoglobulin A

Quantity:

1 ml

Concentration:

10 mg/ml

Host / Isotype:

Goat / IgG

Immunogen:

Secretory component can be present in monkey secretions bound to secretory IgA (sIgA) and in free form. Free monkey secretory component isolated from pooled milk is used for immunization.

Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:**State:** Lyophilised hyperimmune Ig fraction**Purification:** DEAE-column Chromatography**Buffer System:** PBS, pH 7.2

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

No foreign protein added.

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

Tested in immunoelectrophoresis and double radial immunodiffusion against a panel of appropriate secretions and purified immunoglobulin isotypes.

In enzyme-immunocytochemical and immunohistochemical staining of free or bound secretory component at the cellular and subcellular level. In non-isotopic assay methodology (e.g. ELISA, Western blotting) in monkey milk or other secretions. 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:

Histochemical and cytochemical 1/150 - 1/500.

ELISA and comparable non-precipitating antibody-binding assays 1/200 -1/4000.

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

Specificity:	The antiserum reacts with both bound secretory component (secretory IgA) and with free secretory component. In immunoelectrophoresis against normal monkey milk, using a high electroendosmosis agar plate, free secretory component is precipitated in the alpha-2 region. This antiserum does not react with other molecular forms of IgA, or with any other secretory or plasma protein and double radial immunodiffusion.
	<u>Cross-reactivity</u> Inter-species cross-reactivity is a normal feature of antibodies to serum proteins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent of the concentration of the reactants and the sensitivity of the method. This product may also react with free and bound secretory component in many old-world monkeys, including <i>Macaca Sylvanus</i>, <i>Cercopithecus</i>, <i>Cynomolgus</i>, Baboon, and also with the secretory component of chimpanzees. In double radial immunodiffusion a reaction has been observed with free human secretory component. Species: Chimpanzee and Monkey. Other species not tested.
Add. Information:	Adsorption Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other with other plasma 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 month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.