

AP31539FC-N**Polyclonal Antibody to Canine IgA (Fc specific) - FITC**

Alternate names:	Dog IgA, Dog Immunoglobulin A
Quantity:	1 ml
Concentration:	10 mg/ml
Host / Isotype:	Goat / IgG
Immunogen:	Pools of purified IgA isolated from dog 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: FITC – Fluorescein isothiocyanate isomer 1 <i>Absorption / Emission:</i> 492nm / 515nm <i>Molar Ratio:</i> 1,4 Reconstitution: Restore with 1 ml sterile distilled water.
Applications:	Can be used in immunocytochemical and immunohistochemical staining of IgA at the cellular and subcellular level of appropriately treated cell and tissue substrates; to demonstrate circulating IgA antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen using a reference antibody of dog origin known to be of the IgA isotype in the middle layer of the indirect test procedure. Antisera to IgA do not discriminate between serum IgA (monomeric and dimeric) and higher molecular forms such as secretory IgA. 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> are usually between 1/20 and 1/80, depending on the method used. 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 subunit of the IgA molecule, which expresses strict (class) specificity. In immunoelectrophoresis and radial in immunodiffusion using various antiserum concentrations against dog serum, a single precipitin line has been obtained which shows a reaction of identity with the precipitin lines obtained with the purified IgA used as immunogens. It does not react with IgG, IgG/Fab fragments and IgM or any non-Ig protein in dog serum, as tested by immunoelectrophoresis and double radial immunodiffusion. <u>Cross-reactivity:</u> This immunoconjugate is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this antiserum has not been tested in detail. Species: Canine. 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:

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.