

## Product datasheet for **AP31457FC-N**

### Pigeon IgG (H+L chain) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	Can be used to identify and measure IgG, antigen or antibody, at the cellular and subcellular level by immunofluorescence staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of pigeon origin in the middle layer of the indirect test procedure. 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.
Reactivity:	Pigeon
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Purified normal IgG isolated from pooled pigeon serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
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 pigeon serum, as tested by immunoelectrophoresis and double radial immunodiffusion. <u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. The degree of cross-reactivity depends in addition to the phylogenetic relationship also on the concentration of the reactants and the sensitivity of the assay format. Cross-reactivity of this antiserum has not been tested in detail, however in immunoelectrophoresis a reaction with chicken, duck and turkey has been observed.



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<b>Formulation:</b>	PBS, pH 7.2 No preservative added - No foreign proteins added. Label: FITC State: Lyophilised hyperimmune Ig fraction Label: Fluorescein isothiocyanate isomer 1 Absorption emission: 492nm / 515nm Molar ratio: 1,8
<b>Reconstitution Method:</b>	Restore with 2 ml sterile distilled water.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	DEAE-column Chromatography
<b>Conjugation:</b>	FITC
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Synonyms:</b>	Pigeon Immunoglobulin G