

## Product datasheet for **AP31547FC-N**

### Alb Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, IP, R
Recommended Dilution:	Can be used as reagent for the direct detection of albumin in rat cells, tissues and body fluids in immunofluorescence techniques. 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:	Rat
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Albumin is a stable small polypeptide with a strong antigenicity. Its molecular weight is about 69,000. It has a high mobility in electrophoresis, shows macro-heterogeneity especially under pathological conditions and it can bind a large number of physiological and non-physiological molecules. Albumin is isolated from rat serum by sequential precipitation and purified by ion exchange chromatography and affinity chromatography. Freund's complete adjuvant is used in the first step of the immunization procedure.



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<b>Specificity:</b>	<p>The defined antibody specificity is directed to albumin as tested against rat sera. In immunoelectrophoresis and double radial immunodiffusion (Ouchterlony), using various antiserum concentrations against appropriate concentrations of the immunogen, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin lines obtained against rat serum and the purified albumin.</p> <p><u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to mammalian serum proteins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiserum has been tested in double radial immunodiffusion with the following results:</p> <ul style="list-style-type: none"><li>- bovine, goat, sheep and chicken</li><li>+ dog, horse, human, monkey and swine</li><li>++ guinea pig and mouse</li><li>± rabbit</li></ul>
<b>Formulation:</b>	<p>PBS, pH 7.2 No preservative added, as it may interfere with the antibody activity. No foreign proteins added. Label: FITC State: Lyophilised hyperimmune Ig fraction Label: Fluorescein isothiocyanate isomer 1 Absorption emission: 492nm / 515nm Molar ratio: 1,5</p>
<b>Reconstitution Method:</b>	Restore with 1 ml sterile distilled water.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	DEAE-column Chromatography
<b>Conjugation:</b>	FITC
<b>Storage:</b>	<p>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.</p>
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	albumin
<b>Database Link:</b>	<a href="#">Entrez Gene 24186 Rat P02770</a>
<b>Synonyms:</b>	ALB, BSA, HSA, Serum Albumin
<b>Note:</b>	<b>Adsorption:</b> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.