

Product datasheet for **AP32996FC-N**

Albumin (ALB) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC
Recommended Dilution:	Can be used as reagent for the direct detection of Albumin in Human 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. <i>Recommended Working Dilutions: 1/20-1/80.</i>
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Albumin is isolated from human 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.
Specificity:	The defined antibody specificity is directed to albumin as tested against Human 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 human serum and the purified Albumin. Cross-reactivity: 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 on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiserum has not been tested for cross-reactivity.



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Formulation:	PBS, pH 7.2 Label: FITC State: Lyophilized purified hyperimmune IgG fraction Preservative: None, as it may interfere with the antibody activity. Label: Fluorescein isothiocyanate isomer 1 Absorption emission: 492 nm / 515 nm Molar ratio: Fluorescein/IgG ~1.9
Reconstitution Method:	Restore with 1.0 ml sterile distilled water. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C.
Concentration:	lot specific
Purification:	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt precipitation and purification of the IgG fraction by DEAE-chromatography
Conjugation:	FITC
Storage:	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.
Stability:	Shelf life: one year from despatch.
Gene Name:	albumin
Database Link:	Entrez Gene 213 Human P02768
Background:	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 macroheterogeneity especially under pathological conditions and it can bind a large number of physiological and non-physiological molecules.
Synonyms:	ALB, BSA, HSA, Serum Albumin
Note:	Adsorption: 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. Conjugation procedure: A proprietary technique for the binding to FITC is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life.