

Product datasheet for R1048A

ALB Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IP, R, WB
Recommended Dilution:	<p>The Cytochemical grade of allows the use in different types of highly sensitive immunoassays on appropriately treated cell and tissue substrates.</p> <p>In Radioimmunoassay, for the production of immunoconjugates with a selected marker, to prepare immunoaffinity adsorbents by coupling to an artificial carrier, in non-isotopic methodology based on solid phase immunochemistry (e.g. ELISA), both as catching antibody and detection reagent; in Western blotting.</p> <p><i>Recommended Working Dilutions:</i></p> <p>Histochemical/Cytochemical Use: 1/100-1/500</p> <p>ELISA and comparable non-precipitating antibody-binding assays: 1/1,000-1/10,000.</p>
Reactivity:	Bovine
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	<p>Highly purified Albumin isolated from Bovine Serum.</p> <p>Freund's complete adjuvant is used in the first step of the immunization procedure.</p>
Specificity:	<p>Bovine Albumin.</p> <p>The defined antibody specificity is directed to Albumin as tested against bovine 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 Bovine serum and the purified Albumin.</p> <p>Cross-reactivity: 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.</p> <p>This antiserum fraction has been tested for cross-reactivity by Double Radial Immunodiffusion against several species sera with the following results:</p> <p>Cat (+), Chicken (-), Dog (+), Duck (-), Goat (++), Guinea Pig (±), Hamster (+), Horse (+), Human (+), Monkey (+), Mouse (±), Pigeon (-), Rabbit (-), Rat (±), Sheep (++), Swine (+).</p>



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Formulation:	PBS, pH 7.2 without preservatives and foreign proteins State: Azide Free State: Lyophilized purified Hyperimmune IgG fraction
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water
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:	Unconjugated
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.
Database Link:	Entrez Gene 280717 Bovine P02769
Background:	Albumin is a soluble, monomeric protein which comprises about one-half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Albumin is synthesized in the liver as preproalbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.
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.