

Product datasheet for R1048H

ALB Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, ID, IF, R, WB

Recommended Dilution: **ELISA.**

Dot blot.

Immunoblotting.

Immunocytochemistry.

Immunohistochemistry on Paraffin Sections.

In Enzyme-Immunocytochemical and immunohistochemical staining for the detection of albumin, of appropriately treated cell and tissue substrates at the cellular and subcellular level. In non-isotopic assay methodology (e.g. ELISA) to identify and measure albumin in bovine serum or other body fluid. In electron microscopy, since the complex between the conjugated antibody and the antigen also has electron-dense properties. 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.

Recommended Working Dilutions:

Histochemical and Cytochemical Use: 1/100-1/500.

ELISA and comparable non-precipitating antibody-binding assays: 1/2,000-1/10,000.

Reactivity: Bovine

Host: Rabbit

Isotype: IgG

Clonality: Polyclonal

Immunogen: Purified Albumin isolated from pooled Bovine serum.

Freund's complete adjuvant is used in the first step of the immunization procedure.



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Specificity:	<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 crossreactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiserum fraction has been tested for cross-reactivity by double radial immunodiffusion against several species sera with the following results: Cat (+), Chicken (-), Dog (+), Duck (-), Goat (++), Guinea Pig (±), Hamster (+), Horse (+), Human (+), Monkey (+), Mouse (±), Pigeon (-), Rabbit (-), Rat (±), Sheep (++), Swine (+).</p>
Formulation:	<p>PBS, pH 7.2 Label: HRP State: Lyophilized purified hyperimmune IgG fraction Preservative: None Molar ratio: 1.7 moles HRP per mole of Rabbit IgG.</p>
Reconstitution Method:	Restore with 1.0 ml of deionized water (or equivalent).
Concentration:	lot specific
Purification:	Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.
Conjugation:	HRP
Storage:	<p>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.</p>
Stability:	Shelf life: one year from despatch.
Database Link:	Entrez Gene 280717 Bovine P02769
Background:	<p>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 prealbumin which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, prealbumin, is in turn cleaved in the Golgi vesicles to produce the secreted albumin.</p>
Synonyms:	ALB, BSA, HSA, Serum Albumin
Note:	<p>Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate the antibody activity to any other component of the bovine serum proteins.</p>