Datasheet for ABIN457585

anti-Albumin antibody (HRP)

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Overview

Quantity:	1 mL
Target:	Albumin (ALB)
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Albumin antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified albumin isolated from pooled bovine serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	Inter-species cross-reactivity is a normal feature of antibodies to mammalian serum proteins, since homologous proteins frequently share antigenic determinants. of this antiserum has not been tested in double radial immunodiffusion with the following results: cat + goat ++ human + rabbit - chicken - guinea pig ± monkey + rat ± dog + hamster + mouse ± sheep ++ duck - horse + pigeon - swine + A negative result in this test does not exclude some cross-reaction in more sensitive techniques.
Characteristics:	Horseradish peroxidase-conjugated IgG fraction of polyclonal rabbit antiserum to bovine albumin
Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate the

Product Details

	antibody activity to any other component of the bovine serum proteins. Hyperimmune antisera with strong precipitating activity are selected for fractionation by salt-precipitation and purification of the IgG fraction by DEAE-chromatography.

Target Details

Target:	Albumin (ALB)
Alternative Name:	Albumin (ALB Products)
Background:	Tested in immunoelectrophoresis and double radial immunodiffusion against pooled normal bovine serum and purified bovine albumin. One characteristic precipitin line is obtained against pooled normal bovine serum using different antigen/antibody concentration ratio's. Precipitin lines against normal bovine serum and purified bovine albumin give a reaction of full identity
Pathways:	Lipid Metabolism

Application Details

Application Notes:	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. Working dilutions for histochemical and cytochemical use are usually between 1:100 and 1:500, in ELISA and comparable non-precipitating antibody-binding assays between 1:2,000 and 1:10,000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	IgG protein concentration 10 mg/ml. Enzyme/IgG protein molar ratio (E/P) is approximately 1.7. No foreign proteins added. Enzyme marker Horseradish peroxidase enriched for isoenzyme C (RZ = 3.2).
Buffer:	Peroxidase-coupled purified hyperimmune rabbit IgG lyophilized from a solution in phosphate

Handling

	buffered saline (PBS, pH 7.2).
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile di stilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C , not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.