Datasheet for ABIN458987

anti-Concanavalin A antibody (HRP)

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Overview

Quantity:	1 mL
Target:	Concanavalin A (ConA)
Reactivity:	Jack Bean
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Concanavalin A antibody is conjugated to HRP
Application:	Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	The lectin concanavalin A is a cell-agglutinating protein reacting specifically with molecules which contain alpha-D-mannopyranosyl, alpha-D-glucopyranosyl and sterically related residues. At pH 4.5-5.6 it exist as a dimer, above pH 7.0 predominantly as a tetramer. The monomer has a molecular weight of about 52,000. 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 since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentration of the reactants and the sensitivity of the assay arrangement. of this antiserum has not been tested in detail.
Characteristics:	Horseradish peroxidase-conjugated IgG fraction of polyclonal goat antiserum to concanavalin A from jack bean

Product Details

Purification:	Adsorption: Undesired traces of antibody activity are eliminated by immunoaffinity chromatography as required. 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:	Concanavalin A (ConA)
Alternative Name:	Concanavalin-A (ConA Products)
Background:	Tested in immunoelectrophoresis, using different antigen/antibody concentration ratio's the anti-serum gives one characteristic precipitin line

Application Details

Application Notes:	In enzyme-immunocytochemical and immunohistochemical staining of concanavalin A in appropriately prepared substrates. 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. The entire test system must be free of sodium azide, since it inhibits the enzyme activity. Working dilutions may vary widely and should be determined by titration.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	IgG protein concentration 10 mg/ml. Horseradish peroxidase/IgG protein molar ratio (E/P) is approximately 1.3. No foreign proteins added. Enzyme marker Horseradish peroxidase enriched for isoenzyme C (RZ=3.2).
Buffer:	Horseradish peroxidase-coupled purified hyperimmune goat IgG lyophilized from a solution in phosphate 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 in the dark 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.

