Canavalia Ensiformis Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Canavalia ensiformis, Polyclonal Antibody
Full Product Name	Canavalia ensiformis (Concanavalin A, Jackbean)
Product Synonym Names	Anti -Canavalia ensiformis (Concanavalin A, Jackbean)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.05% sodium azide.
Purity/Purification	Purified Purified by ammonium sulfate precipitation.
Specificity	Recognizes Canavalia ensiformis (Concanavalin A).
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Product Categories/Family for anti-Canavalia ensiformis antibody	Antibodies; Abs to Lectins
Application Notes for anti-Canavalia ensiformis antibody	Suitable for use in Immunodiffusion and IEP.
Related Product Information for anti-Canavalia ensiformis antibody	Isolated from Canavalia ensiformis (Jack bean) seeds Con A is one of the most widely used and well characterized lectins. Con A has broad applicability primarily because it recognizes a commonly occurring sugar structure, a-linked mannose. Since a wide variety of serum and membrane glycoproteins have a "core oligosaccharide" structure which includes a-linked mannose residues, many glycoproteins can be examined or purified with Con A and its conjugates. Con A has been utilized in hormone receptor studies, mitogenic assays, characterization of normal and malignant cells, glycoprotein purification, viral antigen isolation, dextran and mannan fractionation, cell agglutination studies, bacterial aggregation, membrane fluidity and lateral mobility investigations, turbidimetric assays for sugars, lymphokine production, as well as in many other applications. At neutral and alkaline pH, Con A exists as a tetramer of four identical subunits of approximately 26kD each. Below pH 5.6, Con A dissociates into active dimers of 52kD Acetylation, succinylation or other derivatizations can also produce stable forms with dimeric structures. "Native" Con A is a mixture of several forms of the lectin due to "nicks" occurring in the polypeptide chains. Although having little or no effect on the saccharide binding activity, these "nicks" in the sequence are often revealed even in the purest lectin preparations as additional bands in SDS-polyacrylamide gel electrophoresis. These hydrolytic cleavage sites appear to exist in the lectin as it occurs in the seeds and are not a function of isolation procedures.
Other Notes	Small volumes of anti-Canavalia ensiformis antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Canavalia ensiformis purchase	MBS615057 is an antibody targeting Canavalia ensiformis. Also known as Canavalia ensiformis (Concanavalin A, Jackbean). Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Canavalia ensiformis. It may not necessarily be applicable to this product.

NCBI GI #	442708

NCBI Official Full Name	Chain B, The Three-Dimensional Structure Of Canavalin From Jack Bean (Canavalia Ensiformis)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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