Active Native Canavalia ensiformis Concanavalin A Protein, Agarose bound

Cat. No. Lectin-1756C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the Agarose bound Concanavalin A has sugar specificity against Mannose and Glucose.
Species	Canavalia ensiformis
Source	Canavalia ensiformis
Description	Con A recognizes α-linked mannose present as part of a core oligosaccharide in many serum and membrane glycoproteins. At neutral and alkaline pH, Con A exists as a tetramer of four identical subunits; below pH 5.6, Con A dissociates into active dimers of 52 kDa. Acetylation, succinylation, or other derivatizations can also produce stable forms with dimeric structures. (See succinylated Con A). Nicks in the sequence are often present in the purest preparations due to hydrolytic damage within the seeds.
Bio-activity	Binding Capacity: >4 mg ovalbumin/ml of gel
Molecular Mass	104 kDa
Applications	Glycobiology; Affinity Chromatography
Usage	1, Wash gel thoroughly with buffer before use to remove sugar added to stabilize the lectin. 2, Recommended product for eluting glycoconjugates bound to this agarose-lectin:

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	Glycoprotein Eluting Solution. Alternatively, 0.2 M α-methyl mannoside/0.2 M α-methyl glucoside mixture can be used. 3, After use, wash the gel with several column volumes of buffered saline, then resuspend gel in buffered saline containing 0.08% sodium azide for storage.
Storage	Refrigerate. DO NOT FREEZE.
Concentration	6.0 mg/ml of settled gel

GENE INFORMATION

Synonyms	Lectin; Con A
UniProt ID	P02866

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