Active Native Canavalia ensiformis Concanavalin A Protein

Cat. No. Lectin-1755C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product is the unconjugated 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	Inhibiting/Eluting Sugar: mixture of 200 mM α-methylmannoside/200 mM α-methylglucoside
Molecular Mass	104 kDa
Applications	Immunohistochemistry; Immunocytochemistry; Immunofluorescence; Blotting Applications; Glycobiology; Mitogenic Stimulation
Usage	Although many buffers can be employed for reconstituting this lectin, we recommend 10 mM HEPES buffered saline, pH 8.5, 0.1 mM Ca2+. For preserving solutions stored

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	at 4 centigrade, 0.08% sodium azide can be used.
Storage	Refrigerate in the dark

GENE INFORMATION

Synonyms	Lectin; Con A
UniProt ID	P02866

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