

## Native Canavalia ensiformis Concanavalin A Protein

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Lectin-1755C Canavalia ensiformis

Lot. No. (See product label)

### Specification

<b>Product Overview</b>	This product is the unconjugated Concanavalin A has sugar specificity against Mannose and Glucose.
<b>Description</b>	Con A recognizes $\alpha$ -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.
<b>Source</b>	Canavalia ensiformis
<b>Species</b>	Canavalia ensiformis
<b>Bio-activity</b>	Inhibiting/Eluting Sugar: mixture of 200 mM $\alpha$ -methylmannoside/200 mM $\alpha$ -methylglucoside
<b>Molecular Mass</b>	104 kDa
<b>Applications</b>	Immunohistochemistry; Immunocytochemistry; Immunofluorescence; Blotting Applications; Glycobiology; Mitogenic Stimulation
<b>Usage</b>	Although many buffers can be employed for reconstituting this lectin, we recommend 10 mM HEPES buffered saline, pH 8.5, 0.1 mM $\text{Ca}^{2+}$ . For preserving solutions stored at 4 centigrade, 0.08% sodium azide can be used.
<b>Storage</b>	Refrigerate in the dark
<b>Synonyms</b>	Lectin; Con A
<b>UniProt ID</b>	P02866

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