

Native Concanavalin A Lectin (Con A), Mitogen Solution-Conjugated

Cat. No. Con A-602J **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Jackbean Concanavalin A Lectin (Con A) - Mitogen Solution Hazardous Shipping: Non-hazardous
Species	Jack Bean
Source	Jackbean
Description	Affinity purified concanavalin A (Con A) is composed of two identical subunits of 237 amino acid residues (MW: 26,000 without any cystine residues). Con A does not have a blood group specificity. It exhibits mitogenic activity with lymphocytes and cancer cells. While lymphocytes and cancer aggregate by Con A; normal white cells do not. Normal cells react to Con A after proteolytic treatment which suggests that trypsinization causes clustering of the reactive glycan residues on the membrane. Con A interacts with cell types include locust muscle fibers, adipocytes, and rat liver plasma membrane components. This lectin induces endoreduplication in mammalian cells and it reacts with E. coli, Dictyostelium discoideum and Bacillus lipopolysaccharides. Immobilized Con A has been used in affinity chromatography purifications of a wide variety of glycoproteins and cellular structures. Some lectin trigger mitogenic activities in differentiated or resting cells. These lectins do not cause toxicity. A right concentration of affinity purified Concanavalin A (Jackbean) Lectin (Con A) is provided in a sterile solution for stimulating cells that respond to the lectin.
Form	Liquid

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Storage	At -20 centigrade.
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GENE INFORMATION

Official Symbol	Con A
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Synonyms	Concanavalin A Lectin; Con A
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