

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 <i>E. coli</i>, <i>Dictyostelium discoideum</i> and <i>Bacillus lipopolysaccharides</i>. 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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