

Native Japanese pagoda tree *Styphnolobium japonicum* Lectin (SJA)

Cat. No. SJA-717J **Lot. No.** (See product label)

SPECIFICATION

Product Overview	<p>Native Japanese pagoda tree <i>Styphnolobium japonicum</i> Lectin (SJA) - Semi-Pure</p> <p>Preferred Sugar Specificity: β-N-Acetylgalactosamine</p> <p>Inhibiting or Eluting Sugar: N-Acetylgalactosamine</p> <p>Divalent Ions: Ca⁺⁺, Mn⁺⁺</p> <p>Mitogenic Activity: No</p> <p>Hazardous Shipping: Non-hazardous</p>
Species	Japanese pagoda tree
Source	Japanese pagoda tree
Description	<p><i>Styphnolobium japonicum</i> agglutinin (SJA) is fractionated from Japanese pagoda tree seeds. It consists of two subunits. The subunits can be separated into two subfractions, a D-galactose/N-acetyl-D-galactosamine specific lectin (B-SJA-I) and a D-mannose/D-glucose specific lectin (B-SJA-II). SJA agglutinates all blood group types but has greater affinity for A erythrocytes than of B types, than of O (-SA) types. Binding experiments of the lectin with frozen sections of human kidneys shows specific binding to the endothelia in specimens from blood groups B or AB, thus indicating a D-galactose/N-acetyl-D-galactosamine receptor specificity. SJA lacks mitogenic and immune-suppressive activity.</p>
Form	Powder

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Storage At -20 centigrade.

GENE INFORMATION

Official Symbol SJA

Synonyms Styphnolobium japonicum Lectin; SJA

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